

حمل الآن

مجانا وحصريا

امتحانات رقم (1)

الترم الثاني



1

Cairo Governorate



East Nasr City Educational Zone

1. Choose the correct answer:

1. $\frac{4}{5} - \frac{1}{5} =$

A. $\frac{4}{5}$

B. $\frac{3}{5}$

C. 3

D. 4

2. $\frac{8}{12} =$ [in the simplest form]

A. $\frac{2}{3}$

B. $\frac{3}{4}$

C. $\frac{4}{12}$

D. $\frac{1}{6}$

3. $\frac{22}{4} =$

A. $2\frac{2}{4}$

B. $20\frac{2}{4}$

C. $5\frac{2}{4}$

D. $2\frac{5}{4}$

4. How many lines of symmetry does a square have ?

A. 1

B. 2

C. 3

D. 4

5. In the ordered pair (4, 5) the x-coordinate is

A. 5

B. 4

C. 9

D. 0

6. The _____ axis is the vertical number line on the coordinate plane.

A. X

B. Y

C. Z

D. L

7. Number of bases in a cylinder = _____ face [s]

A. 12

B. 8

C. 0

D. 2

8. $\frac{3}{5} + \frac{1}{10} =$

A. $\frac{3}{10}$

B. $\frac{7}{10}$

C. $\frac{4}{50}$

D. $\frac{4}{5}$

9. $2 \div \frac{1}{3} =$

A. $\frac{2}{3}$

B. 5

C. 6

D. $\frac{3}{2}$

2. Solve the following :

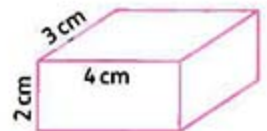
1. Find the least common denominator for the fractions $\frac{2}{5}$ and $\frac{1}{10}$ 2. Find the result : $1\frac{2}{3} \times 2\frac{1}{4}$

3. Find the value of m in the equation : $\frac{1}{3} \div m = \frac{1}{12}$

4. Find the Area of a rectangle with length of 10 units and width of 7 units

5. Find the result : $2\frac{2}{5} + 1\frac{3}{15}$

6. Find the volume of the opposite solid.

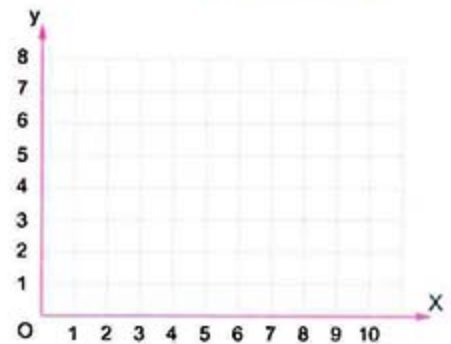


7. Plot the following points , A (2 , 6) , B (7 , 3) ,

C (1 , 3) connect the points in order

a. What is the name of the shape ABC

b. What is the type of the shape according to it's sides?



2

Cairo Governorate



Maths supervision

1. Choose the correct answer :

1. The number of edges in a cube is _____

A. 5

B. 12

C. 6

D. 8

2. If $\frac{1}{5} \times K = \frac{1}{15}$, then K = _____

A. 3

B. $\frac{1}{3}$ C. $\frac{3}{3}$ D. $\frac{5}{3}$

3. $1 - \frac{1}{4} =$ _____

A. 3

B. $\frac{4}{3}$ C. $\frac{3}{4}$ D. $\frac{1}{3}$

4. The y-coordinate of the ordered pair (3 , 2) is _____

A. 7

B. 2

C. 4

D. 8

5. The volume of the rectangular prism, whose dimensions are 3 m, 2 m and 5 m is _____ m^3

- A. 60 B. 30 C. 10 D. 12

6. The triangle of side lengths 5 cm, 7 cm, 5 cm is called _____ triangle.

- A. an equilateral B. an isosceles C. a scalene D. a right

7. $3\frac{2}{5} + 2\frac{3}{5} =$ _____

- A. 5 B. 6 C. 1 D. 0.5

8. $5 \div \frac{1}{2} =$ _____

- A. 10 B. $\frac{2}{5}$ C. $\frac{1}{10}$ D. $\frac{5}{2}$

9. $\frac{1}{4}$ hour = _____ minutes.

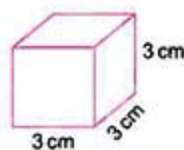
- A. 45 B. 10 C. 30 D. 15

2. Find the area of a rectangle with dimensions 12 m and $\frac{2}{3}$ m.

3. Find the result:

a. $3 + \frac{5}{8} =$ _____ b. $3 \times 1.5 =$ _____

4. The volume of the opposite cube = _____ cm^3

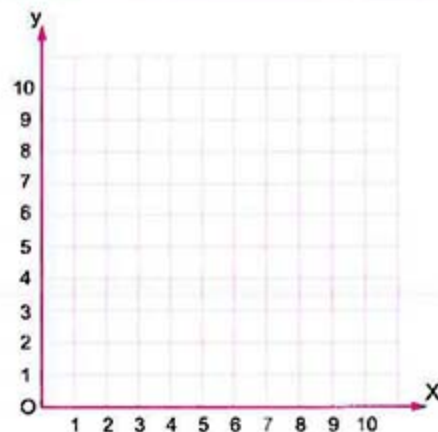


5. In the opposite coordinate:

a. Graph the figure ABCD where

- A. (2, 3)
 B. (2, 5)
 C. (8, 5)
 D. (8, 3)

b. Connect the points in order. What is the name of the polygon? _____



6. Mona studied Math for $3\frac{1}{2}$ hours, and English for $1\frac{1}{2}$ hours.
How many hours did Mona study?

7. In the opposite pie chart :

1. The fraction of football is _____
2. The fraction of tennis is _____
3. The fraction of handball is _____



8. a. Find the unknown dimension in the opposite figure
if you know that the volume = 72 m^3



- b. Complete : $4\frac{1}{3} + 2\frac{1}{2} =$ _____

3

Cairo Governorate



Mathematics supervision

1. Choose the correct answer :

1. The fraction $\frac{12}{20}$ is equivalent to _____
 A. $\frac{5}{10}$ B. $1\frac{1}{5}$ C. $\frac{3}{5}$ D. 1.5
2. The isosceles triangle has _____ equal side [s].
 A. 0 B. 1 C. 2 D. 3
3. Which of the following points located on x-axis ?
 A. (3, 0) B. (0, 3) C. (2, 3) D. (3, 2)
4. $2\frac{1}{2}$ hours = _____ minutes.
 A. 60 B. 30 C. 90 D. 150
5. $2\frac{1}{3} =$ _____ (as an improper fraction).
 A. $\frac{5}{2}$ B. $\frac{7}{3}$ C. $\frac{5}{3}$ D. $\frac{6}{5}$
6. The number of edges of the cube is _____
 A. 5 B. 6 C. 3 D. 12

7. The four angles are equal in measure in the square and the _____

- A. rhombus. B. parallelogram. C. rectangle. D. trapezium.

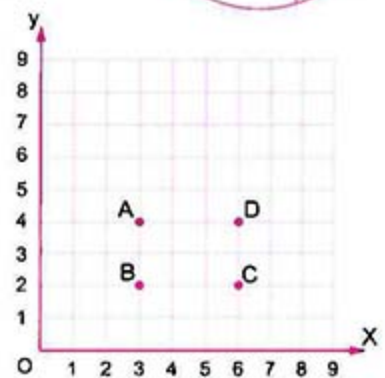
8. The opposite pie chart shows the favorite lunch for some pupils, the most preferred lunch is _____

- A. burger
B. sandwich
C. hotdog
D. fried chicken



9. The ordered pair which represents the point C is _____

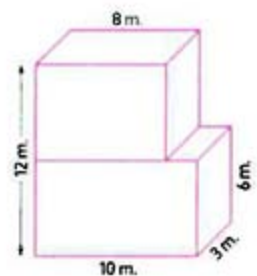
- A. (3, 4)
B. (3, 2)
C. (6, 2)
D. (6, 4)



2. Answer the following questions :

1. If $\frac{1}{3} \div a = \frac{1}{12}$, then $a =$ _____

2. Find the volume of the opposite compound shape.



3. Find the area of the rectangle of dimensions $5\frac{1}{3}$ cm and $1\frac{1}{2}$ cm

4. If the price of a pen is $3\frac{1}{2}$ pounds. Find the price of 5 pens.

5. Find the sum of the following in simplest form. $5\frac{3}{4} + 7\frac{5}{12} =$ _____

6. Mariam has $\frac{2}{3}$ kg. of oranges. She used $\frac{1}{9}$ kg. as juice. What is the remainder of oranges ?

7. Find the measure of the central angle of the shaded sector.



4

Giza Governorate



Agouza Educational Directorate

1. Choose the correct answer:

1. $\frac{2}{6} \times 3 =$

A. $\frac{5}{6}$

B. 1

C. 36

D. $\frac{12}{3}$

2. It is impossible to draw a triangle with two _____ angles.

A. acute

B. right

C. obtuse

D. both B and C

3. The circular degree that matches the shaded fraction in the circle is _____

A. 60°

B. 90°

C. 120°

D. 180°



4. If $3\frac{1}{5} + b = 5\frac{1}{5}$, then b = _____

A. 2

B. 5

C. 3

D. 1

5. $2\frac{1}{3} \times 5 = [2 \times 5] + [\quad \times 5]$

A. 2

B. $\frac{1}{3}$

C. 10

D. 15

6. The volume of a cuboid with dimensions 5 cm , 3 cm , 4 cm = _____ cm^3

A. 60

B. 20

C. 15

D. 12

7. The origin points is _____

A. (1, 0)

B. (0, 1)

C. (0, 0)

D. (1, 1)

8. $3 \div \frac{1}{2}$ ☐ 6

A. >

B. <

C. $\neq$

D. =

9. The triangle whose side lengths are 5 cm , 3 cm , 5 cm is called _____ triangle.

A. isosceles

B. equilateral

C. scalene

D. otherwise

2. Answer the following questions :

1. Find the area of a rectangle of dimensions $\frac{3}{4}$ m , $\frac{4}{5}$ m

2. $2\frac{1}{2} - 1\frac{1}{4} =$

3. Hadeer studied Mathematics for $3\frac{1}{2}$ hours and Arabic for $2\frac{1}{2}$ hours. How many hours did Hadeer study in all?

4. The volume of a cuboid 100 cm^3 , its width 5 cm, its height 2 cm, Find its length.

5. Find the value of A in $3 \div A = 6$

6. The following table shows the fraction of chicken production for three farms during October

The farm	First	Second	Third	Total
The fraction	$\frac{1}{4}$	$\frac{1}{2}$	_____	1

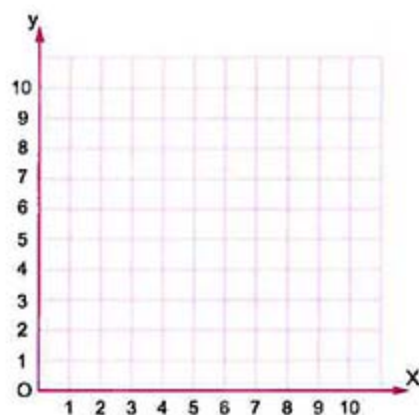
The fraction that represents the third farm = _____

7. In the opposite coordinate :

a. Graph the figure ABCD where :

A (2, 8), B (2, 4), C (6, 4), D (6, 8)

b. What is the name of the figure ABCD ?



5

Giza Governorate



Mathematics Supervision

1. Choose the correct answer :

1. $\frac{1}{2}$ hours = _____ minute

A. 60

B. 30

C. 20

D. 10

2. $5\frac{1}{3} =$ _____

A. 12

B. $\frac{4}{13}$ C. $\frac{16}{3}$ D. $\frac{1}{2}$

3. The smallest common denominator of the fractions $\frac{2}{3}$ and $\frac{4}{5}$ is _____

A. 27

B. 15

C. 5

D. 10

4. Any triangle has at least _____ acute angle[s]

A. 1

B. 2

C. 3

D. 4

5. $\frac{1}{2} \div 5 =$ _____

A. $5\frac{1}{2}$

B. $\frac{2}{5}$

C. $\frac{1}{10}$

D. $\frac{2}{10}$

6. The solid which has 0 edges , 0 vertices , and 0 faces is a _____

A. cube.

B. cuboid.

C. sphere.

D. cone.

7. $\frac{3}{5} \times \frac{5}{3} =$ _____

A. 1

B. 8

C. 11

D. 12

8. The _____ has only one pair of parallel sides.

A. parallelogram

B. rhombus

C. trapezium

D. square

9. The simplest form of $\frac{12}{18}$ is _____

A. $\frac{2}{3}$

B. $\frac{4}{5}$

C. $\frac{1}{2}$

D. $\frac{1}{4}$

2. Answer the following questions :

1. Mona took $2\frac{1}{3}$ hours to paint a table , and $1\frac{2}{3}$ hours to paint a chair.
How much time did she take in all?

2. Find the area of a rectangle of the length $\frac{1}{7}$ cm and width $\frac{1}{5}$ cm.

3. Answer of the following questions:

1. Find the value of K

a. $\frac{1}{3} + K = \frac{5}{6}$

b. $\frac{1}{6} \div K = \frac{1}{12}$

2. If the price of a book is $1\frac{1}{2}$ L.E. , Find the price of 8 books.

4. Answer the following questions :

1. The following table shows the rate of the score of 200 students in one school of Cairo governorate :

Rate	Excellent	Good	Pass	Weak
Fractions	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$

Represent these data by the opposite pie chart.

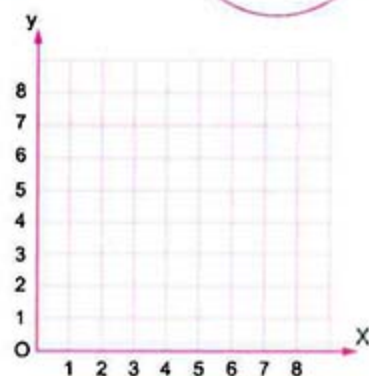


2. Plot the points on the coordinate grid

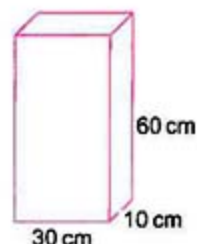
A (2, 2), B (2, 5), C (5, 5), D (5, 2)

Connect points in order

, then write the name of the polygon.



3. Find the volume of the opposite cuboid.



6

Alexandria Governorate



East Educational Zone

1. Choose the correct answer :

1. $3\frac{1}{4} =$ (as an improper fraction)

A. $\frac{12}{4}$

B. $\frac{13}{4}$

C. $\frac{7}{4}$

D. $\frac{15}{4}$

2. $\frac{6}{10} - \frac{1}{5} =$

A. $\frac{4}{10}$

B. $\frac{2}{10}$

C. $\frac{7}{15}$

D. $\frac{2}{4}$

3. The measure of the angle that represents $\frac{1}{8}$ of the circle is

A. 45°

B. 90°

C. 180°

D. 360°

4. The smallest like denominator of $\frac{1}{3}$ and $\frac{1}{5}$ is

A. 5

B. 3

C. 15

D. 10

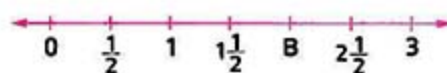
5. From the opposite number line , the value of point B =

A. 2

B. 3

C. 4

D. 6



6. The shaded sector represents _____ the circle.

A. $\frac{2}{3}$

B. $\frac{2}{8}$

C. $\frac{2}{4}$

D. $\frac{2}{5}$



7. The measure of the angle that represents $\frac{3}{4}$ of the circle is _____

A. 270°

B. 90°

C. 45°

D. 360°

8. The quadrilateral that has no line of symmetry is _____

A. parallelogram.

B. rhombus.

C. square.

D. rectangle.

9. The triangle of side lengths 7 cm., 4 cm. and 7 cm. is called _____ triangle

A. equilateral

B. isosceles

C. scalene

D. obtuse

2. Answer the following :

1. A rectangle has a length of $\frac{1}{2}$ unit and a width of $\frac{2}{5}$ unit calculate its area.

2. There are 4 bags of beans , the mass of each bag is $\frac{3}{4}$ kg. What is the total mass of the beans ?

3. A worker divided 5 kg of chickpeas into bags , with each bag having a mass of $\frac{1}{5}$ kg. How many bags are needed ?

4. Mahmoud bought chocolate bar and ate $\frac{3}{10}$ of it , and his sister ate $\frac{4}{10}$ of it. What is the total amount they both ate ?

3. Answer the following :

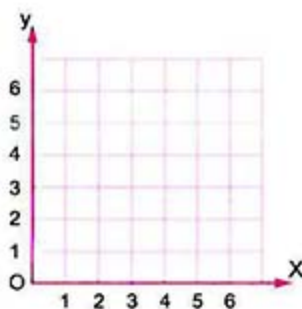
5. A cuboid with length of 8 cm , width of 6 cm. and a height of 2 cm. Find its volume

6. Taleen bought $2\frac{1}{3}$ meters of fabric , and if the price of one meter is $1\frac{1}{2}$ pounds , what is the total amount Taleen paid ?

7. Plot the points on the coordinate plane :

A (2 , 1) , B (5 , 1) and C (5 , 5)

Then write the name of the shape.





1. Choose the correct answer :

1. $8\frac{3}{7} - 2\frac{1}{7} =$

A. $10\frac{2}{7}$

B. $6\frac{2}{14}$

C. 16

D. $6\frac{2}{7}$

2. The equivalent fractions for $\frac{1}{2}$ is

A. $\frac{4}{10}$

B. $\frac{6}{12}$

C. $\frac{9}{15}$

D. $\frac{10}{15}$

3. The square centimeter is the unit of measuring the

A. length.

B. width.

C. volume.

D. area.

4. A rectangle with dimensions 9 cm and 4 cm , its area = _____ cm^2

A. 36

B. 26

C. 13

D. 5

5. By using the L.C.M. the least common denominator for the fractions $\frac{2}{3}, \frac{1}{2}$ is

A. 5

B. 4

C. 6

D. 10

6. The polygon whose all 4 sides are the equal in length and all 4 angles are right angels is the

A. square.

B. rectangle.

C. rhombus.

D. trapezoid.

7. If 80 people participated in a survey and 20 people chose mathematics, then the fraction that represents this group is

A. $\frac{1}{2}$

B. $\frac{1}{4}$

C. $\frac{1}{8}$

D. $\frac{1}{6}$

8. The decimal that represents the shaded part is

A. 0.75

B. 0.25

C. 0.5

D. 0.15

9. The measure of the central angle of the circular sector that represent $\frac{3}{4}$ of the circle is _____ °

A. 60

B. 150

C. 270

D. 120

2. Answer the following questions :

1. If the pattern rule is multiplying by $\frac{1}{3}$ and the input is 27 , what is the output ?2. Find the quotient : $2 \div \frac{2}{3}$

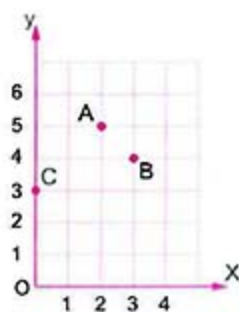
3. In the given figure ,

The coordinates of the points :

A = _____

B = _____

C = _____



4. If $6\frac{4}{5} = 1\frac{3}{5} + M$, then the value of M = _____

5. In the given number line ,

- The value of point F = _____

- The distance from point B to point A = _____ units.



6. Find the sum in the simplest form : $1\frac{1}{4} + 1\frac{2}{3} =$ _____

7. If the base area of a cuboid is 20 cm^2 and the height is 12 cm , then its volume = _____

8

El-Kalyoubia Governorate



Mathematics Supervision

1. Choose the correct answer :

1. If $\frac{3}{4} = \frac{b}{12}$, then b = _____

A. 3

B. 6

C. 9

D. 12

2. $1 - \frac{1}{3} =$ _____

A. $\frac{1}{6}$

B. $\frac{2}{3}$

C. $\frac{1}{12}$

D. $\frac{5}{12}$

3. $2\frac{1}{2} + 3\frac{3}{4} =$ _____

A. $5\frac{4}{6}$

B. $5\frac{1}{4}$

C. $6\frac{5}{4}$

D. $\frac{25}{4}$

4. The solid which has no edges , no faces , no vertices is called _____

A. cube.

B. sphere.

C. cone.

D. pyramid.

5. Volume of the opposite figure is _____ cube unit.

A. 5

B. 6

C. 7

D. 12



6. The y-coordinate in the ordered pair (5, 4) is _____

- A. 1 B. 4 C. 5 D. 9

7. The following table represents the number of students who practice sports, then the decimal which represents basketball is _____

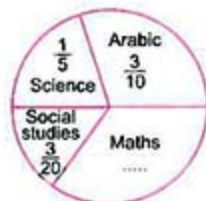
sport	Football	Basketball	Volleyball
Number of students	20	10	10

- A. 0.1 B. 0.2 C. 0.25 D. 0.5

8. In the opposite figure :

The fraction which represents studying math is _____

- A. $\frac{6}{20}$ B. $\frac{7}{20}$ C. $\frac{1}{3}$ D. $\frac{1}{2}$



9. The measure of the central angle of circular sector that represents $\frac{1}{3}$ of the circle is _____°

- A. 120 B. 150 C. 180 D. 360

2. Answer each the following questions :

1. Mariam reads a book for $1\frac{1}{3}$ hours , how many minutes does she read ?

2. Find the quotient : $5 \div \frac{1}{3}$

3. Find the product in the simplest form : $2\frac{1}{3} \times 1\frac{2}{7}$

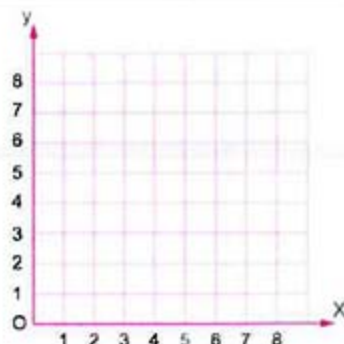
4. Use the number line to complete the figure , then find the difference :

$$6\frac{1}{5} - 4\frac{3}{4} = \underline{\hspace{2cm}}$$



5. Plot the points on the coordinate grid :

A (3, 5), B (6, 5), C (6, 2), D (3, 2) and connect the points in order. What is the name of the resulted figure

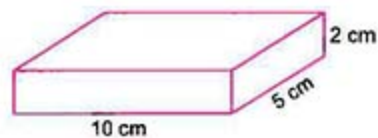


6. A rectangle of dimensions 2 m and $\frac{3}{5}$ m. What is its area?

7. In the opposite figure :

Its name _____

Its volume _____



9

El-Sharkia Governorate



Mathematics Supervision

1. Choose the correct answer :

1. The cube has _____ edges.

A. 8

B. 12

C. 6

D. 9

2. $\frac{1}{5} \times \text{_____} = 1$

A. $\frac{1}{3}$ B. $\frac{1}{5}$

C. 2

D. 5

3. The y-coordinate in the ordered pair (8 , 5) is _____

A. 3

B. 5

C. 8

D. 13

4. $\frac{1}{5}$ of 15 = _____

A. $\frac{1}{5}$

B. 20

C. 3

D. $\frac{1}{6}$

5. Any triangle has at least two _____ angles.

A. acute

B. right

C. obtuse

D. straight

6. The smallest like denominator for $\frac{1}{2}$ and $\frac{3}{5}$ is _____

A. 1

B. 2

C. 3

D. 10

7. The measure of the central angle which represents $\frac{1}{2}$ of the circle = _____ °

A. 45

B. 90

C. 180

D. 360

8. $\frac{1}{2}$ year = _____ months.

A. 12

B. 6

C. 3

D. 4

9. The _____ has only one pair of parallel sides.

A. square

B. trapezium

C. rhombus

D. rectangle

2. Answer the following questions :

1. The point of intersection of x- axis and y-axis is called _____

2. Find the value of X if $\frac{1}{9} \div 3 = X$

3. If the price of one book is $2\frac{1}{2}$ pounds , find the price of 8 books.

4. What is the area of a rectangle of dimensions $5\frac{1}{3}$ m and $2\frac{1}{4}$ m ?

5. $2\frac{2}{3} - 1\frac{3}{5} =$ _____

6. A cuboid of dimensions 5 m, 3 m and 2 m , find its volume.

7. Complete the pie chart using the following table

Grade 1	Grade 2	Grade 3
$\frac{1}{2}$	$\frac{1}{4}$	_____



The fraction that represents grade 3 is _____

10

El-Monofia Governorate



Monof Directorate

1. Choose the correct answer :

1. If $\frac{4}{7} + \frac{1}{3} = \frac{X}{21} + \frac{7}{21}$, then the value of X = _____

A. 12

B. 3

C. 7

D. 4

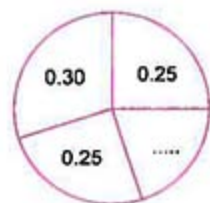
2. The missing part of the opposite pie chart is _____

A. 0.30

B. 0.35

C. 0.20

D. 0.25



3. _____ $\times 5 = [5 \times \frac{3}{4}] + [5 \times 2]$

A. 7

B. $2\frac{3}{4}$

C. $5\frac{3}{4}$

D. $10\frac{3}{4}$

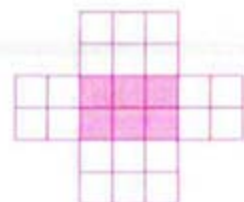
4. Volume of the solid formed from folding the net square = _____ cube units.

A. 36

B. 14

C. 24

D. 12



5. If $\frac{1}{8} \div M = \frac{1}{24}$, then $M =$ _____

A. 3

B. $\frac{1}{3}$ C. $\frac{1}{2}$

D. 32

6. The circular degree that matches the shaded fraction of the circle is _____°

A. 180

B. 90

C. 120

D. 360



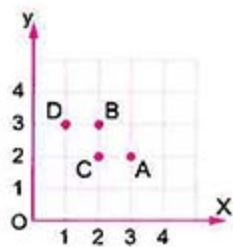
7. Which point has the coordinates (1, 3) is _____

A. point A

B. point B

C. point C

D. point D



8. If $m(\angle X) = 30^\circ$, $m(\angle Y) = 120^\circ$ and $m(\angle Z) = 30^\circ$, then the triangle is _____ angled triangle.

A. acute.

B. right.

C. obtuse.

D. otherwise.

9. In the following table what is the fraction that represents the blue color _____

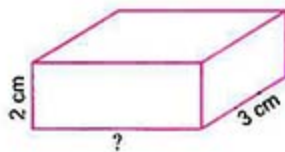
Color	Red	Blue	Green
Fractions	$\frac{1}{2}$	_____	$\frac{3}{10}$

A. $\frac{2}{10}$ B. $\frac{1}{2}$ C. $\frac{3}{10}$ D. $\frac{7}{10}$

2. Answer the following :

10. Ezz notices that $\frac{2}{3}$ of the 6 rose bushes are in bloom.
How many rose bushes are in bloom ?

11. Find the unknown dimension in the opposite figure
If you know that the volume = 72 m^3



12. Adel has 5 pieces of candy , he wants to divide them among a number of his friends if each of them has a share $\frac{1}{2}$ piece , how many friends does he have ?

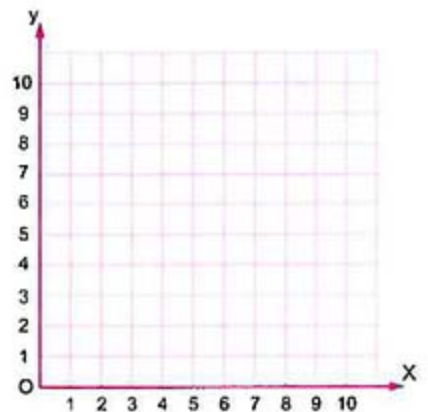
13. Sara has $6\frac{4}{5}$ cakes , she gave $3\frac{1}{2}$ to her brother. How many cakes are left with her ?

14. A mosque has a window its length 3 m and its width $1\frac{1}{3}$ m
Calculate the area of the window in m^2

15. Find the value of B in $\frac{23}{5} = B \frac{3}{5}$

16. In the opposite coordinate plane :

1. Graph the figure ABCD where
A (2 , 8) , B (2 , 5) , C (7 , 5) and D (7 , 8)
2. What is the length of $\overline{AD}$?



11

El-Gharbia Governorate



Central Mathematics Supervision

1. Choose the correct answer:

1. The smallest like denominator of $\frac{5}{6}$ and $\frac{1}{3}$ is
A. 18 B. 6 C. 3 D. 5
2. If $\frac{1}{4} \div c = \frac{1}{24}$, then c =
A. 8 B. 6 C. $\frac{1}{6}$ D. $\frac{1}{8}$
3. $3\frac{1}{2} - 2\frac{3}{4} =$
A. $1\frac{1}{4}$ B. $1\frac{1}{2}$ C. $\frac{1}{2}$ D. $\frac{3}{4}$
4. The triangle whose side lengths are 5 cm , 3 cm , and 5 cm is
A. isosceles. B. equilateral. C. scalene. D. otherwise.
5. A cuboid of length 7 cm , width 4 cm and height 5 cm , then its volume =
A. 140 cm^3 B. 140 cm^2 C. 70 cm^3 D. 140 cm
6. The y-coordinate of the point (6 , 4) is
A. 4 B. 6 C. 10 D. 2
7. The sum of measures of angles around the center of the circle is
A. 90° B. 180° C. 360° D. 100°

8. The sector which represents art is _____

A. $\frac{1}{3}$

B. $\frac{1}{4}$

C. $\frac{1}{2}$

D. $\frac{1}{5}$



9. The measure of the central angle that represents $\frac{1}{8}$ of the circle is _____

A. 60°

B. 30°

C. 45°

D. 90°

2. Answer the following questions :

1. Find :

a. $\frac{3}{7} + \frac{3}{14} =$ _____

b. $\frac{1}{3} \div \frac{1}{6} =$ _____

c. $\frac{2}{3} \times 1.5 =$ _____

2. Soad has $\frac{3}{4}$ liter of juice, she drank $\frac{1}{3}$ liter of it. How many liters are left from the juice?

3. a. Find in the simplest form : $2\frac{2}{5} \times \frac{3}{4}$

b. Subtract : $3\frac{2}{3} - 1\frac{3}{5} =$ _____

4. There are 4 kg of hummus. A worker separates the hummus into packages of $\frac{1}{4}$ kg.
How many packages will be made ?

5. Find the area of a rectangle of length $\frac{2}{7}$ m and width $\frac{7}{10}$ m.

6. If the volume of the cuboid is 160 cm^3 and the area of the base is 20 cm^2 , find the height of that cuboid

7. a. Plot the points on the coordinate grid

A (2, 2)

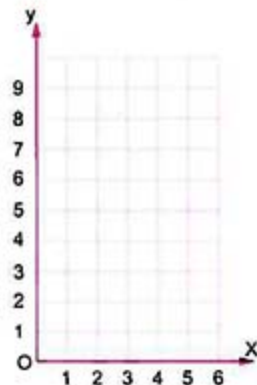
, B (2, 5)

, C (5, 5)

, D (5, 2)

b. Connect the points in order, then write the name of the polygon _____

its area = _____ square unit



12

El-Dakahlia Governorate



Maths supervision

1. Choose the correct answer :

a. 1. If $\frac{1}{3} \div A = \frac{1}{9}$, then A = _____

A. 3

B. $\frac{1}{27}$

C. $\frac{1}{3}$

D. 27

2. The triangle whose side lengths are 6 cm, 7 cm, 6 cm. is called _____

A. equilateral.

B. isosceles.

C. scalene.

D. otherwise.

3. The circular degree that match the shaded fraction of the circle = _____°

A. 45

B. 60

C. 90

D. 180



b. Mahmoud has $\frac{2}{3}$ liter of juice, and he drank $\frac{2}{5}$ liter of it. How many liters are left from the juice?

2. a. Choose the correct answer.

1. If $\frac{1}{5} \times K = 1$, then K = _____

A. 10

B. 5

C. 1

D. $\frac{1}{5}$

2. $1\frac{1}{3}$ hour = _____ minutes.

A. 80

B. 70

C. 60

D. 90

3. The volume of the opposite figure is _____ cubic units.

A. 5

B. 10

C. 20

D. 40



b. Use the number line to answer the questions

1. What is the value of A ? _____

2. How far is point C from point A ? _____



3. a. Choose the correct answer :

1. $\frac{4}{10} + \frac{9}{20} =$ _____

A. 1.7

B. $\frac{13}{30}$

C. $\frac{17}{20}$

D. $\frac{17}{30}$

2. The cube has _____ edges

A. 6

B. 8

C. 12

D. 24

3. From the opposite pie chart :

The decimal that represents the sector of math is _____

A. 0.1

B. 0.2

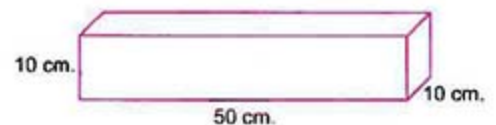
C. 0.3

D. 0.4



b. A car consumes $3\frac{1}{4}$ liters of gasoline per hour. How much does it consume in 4 hours ? _____

4. a. Find the volume of the opposite cuboid ? _____



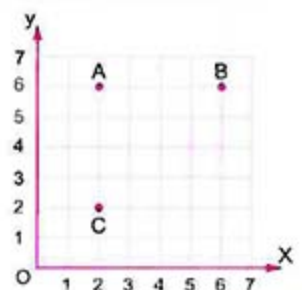
b. The turtle can crawl about $\frac{1}{3}$ kilometer per hour. How many hours does it need to travel a distance of 5 kilometers ? _____

5. a. Rahma swam two laps , the first for $3\frac{1}{8}$ km , and the second for $2\frac{1}{4}$ km , find the distance that Rahma swam ? _____

b. From the opposite coordinate plane :

1. The coordinate of point A is _____

2. Connect the points A , B , C , then determine the type of $\triangle ABC$ according to its sides _____



13

Port Said Governorate



Directorate of Education

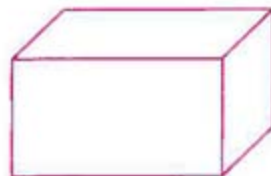
1. Choose the correct answer:

- The square is a polygon that has _____ sides.
A. 2 B. 4 C. 3 D. 5
- The measure of the central angle which represents $\frac{1}{2}$ of the circle = _____
A. 90° B. 180° C. 108° D. 360°
- L.C.M. for the denominators of the two fractions $\frac{3}{7}$, $\frac{2}{3}$ is _____
A. 24 B. 10 C. 30 D. 21
- The volume of a cuboid with length 5 cm, width 3 cm and height 2 cm is _____ cm^3
A. 72 B. 24 C. 30 D. 32
- $\frac{1}{5} \div H = \frac{1}{20}$, then the value of H = _____
A. 4 B. $\frac{1}{4}$ C. $\frac{1}{5}$ D. 5
- $\frac{1}{7} \times 14 =$ _____
A. $\frac{1}{2}$ B. 2 C. 3 D. $\frac{1}{14}$
- In the ordered pair (1, 0) the y-coordinate is _____
A. 4 B. 0 C. 3 D. 1
- The type of the opposite triangle _____ -angled triangle
A. acute B. obtuse
C. right D. otherwise
- $1\frac{3}{5} + 2\frac{2}{3} =$ _____
A. $3\frac{5}{8}$ B. $3\frac{5}{15}$ C. $4\frac{4}{15}$ D. $3\frac{1}{8}$



2. Answer the following questions:

- Name of the shape : _____
Number of the edges = _____
Number of the faces = _____
- Find the area of a rectangle with dimensions 7 unit, 3 unit



- Find the product in the simplest form : $\frac{3}{7} \times \frac{7}{15}$

4. $17 \div 3 = 5 \frac{d}{3}$, then the value of d = _____

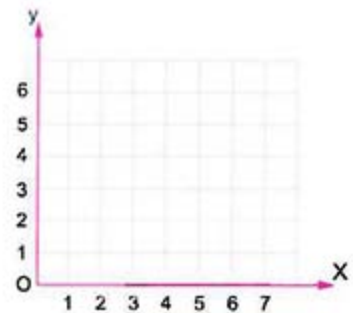
5. $\frac{3}{4} \times \text{_____} = 1$

6. Find the value of A, B, C

X value	1	2	3	4	5	6
Y value	4	8	12	A	B	C

7. Plot the points

A (3, 5), B (6, 5), C (6, 2)
on the coordinate plane
the figure is _____



14 Kafr El-Sheikh Governorate



Math Supervision

1. Choose the correct answer:

1. The triangle whose side lengths are 5 cm, 5 cm and 5 cm is called _____

- A. right-angled. B. equilateral. C. isosceles. D. scalene.

2. The cylinder has _____ bases

- A. 2 B. 1 C. zero D. 3

3. The L.C.M. of the denominators of $\frac{1}{3}$ and $\frac{2}{5}$ is _____

- A. 35 B. 8 C. 15 D. 2

4. The decimal that represents one fourth of a circle = _____

- A. 0.75 B. 0.5 C. 0.25 D. 0.2

5. 90 minutes = _____ hours

- A. $1 \frac{1}{2}$ B. $3 \frac{1}{2}$ C. 30 D. $12 \frac{1}{2}$

6. If $8 \div m = 24$, then m = _____

- A. 3 B. $\frac{1}{3}$ C. $\frac{1}{2}$ D. 32

7. The measure of the central angle of the colored circular sector equals _____°

- A. 60 B. 30 C. 45 D. 90



8. The y-coordinate in the ordered pair (1, 8) is _____

A. 1

B. 8

C. 1 + 8

D. 8 - 1

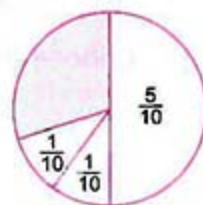
9. The fraction that represents the shaded part is _____

A. $\frac{1}{5}$

B. $\frac{3}{10}$

C. $\frac{1}{4}$

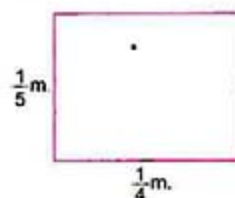
D. $\frac{1}{10}$



2. Answer the following questions :

1. If $A + 2\frac{3}{8} = 5\frac{5}{8}$, then A = _____

2. Find the area of the opposite rectangle :

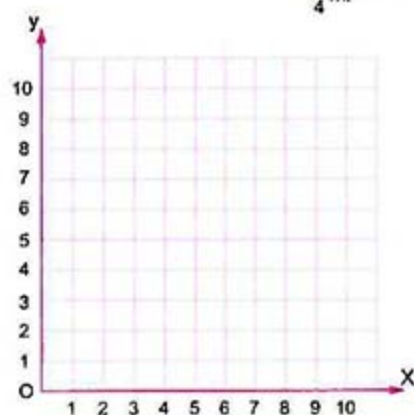


3. Graph the figure ABCD where :

A (2, 8), B (3, 4), C (8, 4) and D (7, 8)

What is the name of the figure ABCD ?

What is the length of $\overline{AD}$?



4. Find the result : $6 \div \frac{1}{3}$

3. Answer the following questions :

5. If the price of each book is $10\frac{1}{2}$ L.E. Find the price of 8 books.

The price = _____ = _____ L.E.

6. Find the volume of opposite cuboid.



7. Ali studied math for $2\frac{1}{4}$ hours and science for $1\frac{1}{3}$ hours.

How many hours did Ali study in all ?

Ali study in all = _____ = _____ hours



1. Choose the correct answer :

1. $4 - \frac{3}{5} =$

A. $3\frac{2}{5}$

B. $3\frac{1}{5}$

C. $3\frac{2}{5}$

D. $4\frac{3}{5}$

2. $\frac{1}{2} \div n = \frac{1}{14}$, then $n =$

A. $\frac{1}{7}$

B. $\frac{1}{6}$

C. 7

D. 8

3. $\frac{4}{7} \times \frac{14}{20} =$

A. $\frac{1}{2}$

B. 2

C. $\frac{2}{5}$

D. $\frac{7}{10}$

4. The triangle whose side lengths are 7 cm , 8 cm , _____ cm is isosceles triangle.

A. 5

B. 6

C. 7

D. 9

5. The value of point C =

A. 2

B. 4

C. 5

D. 6



6. Cuboid has 4 horizontal layers and 6 cubes in each layer , then its volume = _____ cubic units

A. 24

B. 18

C. 12

D. 16

7. The fraction which represents 0.5 in the pie chart =

A. $\frac{1}{2}$

B. $\frac{1}{4}$

C. $\frac{3}{4}$

D. $\frac{1}{5}$

8. The measure of the central angle which represents $\frac{1}{6}$ of the circle =

A. 40°

B. 60°

C. 90°

D. 120°

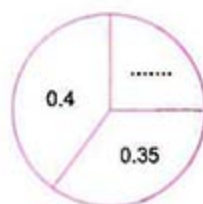
9. The missing fraction of the pie chart =

A. 0.4

B. 0.25

C. 0.75

D. 0.2



2. Answer the following questions :

1. Hassan needs $5\frac{3}{4}$ kg of flour to make pies. If he already has $4\frac{1}{3}$ kg of flour , how much more flour does he need to buy ?

2. Adel bought $2\frac{1}{2}$ kg of fruit. If the price of one kg is $4\frac{2}{5}$ pounds , what is the amount he paid ?

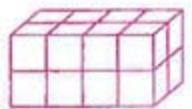
3. $5\frac{3}{8} + 3\frac{1}{6} =$ _____

4. $2\frac{2}{5} \times 3\frac{3}{4} =$ _____

5. A rectangle has a length of $\frac{1}{2}$ m and a width of $1\frac{4}{7}$ m. calculate its area.

6. Write the dimensions of the rectangular prism, then find the volume ?

Length	=	_____	cm
Width	=	_____	cm
Height	=	_____	cm
Volume	=	_____	cm ³

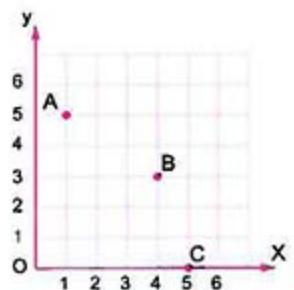


7. from the opposite coordinate plane :

a. The point representing the ordered pair of (4 , 3) is _____

b. Plot the point D (1 , 3) _____

c. The coordinates of point C (_____ , _____)



16

El-Fayoum Governorate



Supervision of mathematics

1. Choose the correct answer :

1. The origin point is _____

A. (1 , 5)

B. (1 , 0)

C. (0 , 0)

D. (3 , 3)

2. $2\frac{1}{3}$ hour = _____ minute.

A. 120

B. 140

C. 250

D. 300

3. $1\frac{3}{4} \times \frac{2}{7} =$ _____

A. $\frac{3}{8}$

B. $\frac{7}{8}$

C. $\frac{1}{2}$

D. $\frac{6}{8}$

4. $4 \div \frac{3}{4} =$ _____

A. $3\frac{1}{9}$

B. $5\frac{1}{3}$

C. $\frac{16}{5}$

D. $4\frac{4}{9}$

5. The smallest like denominator of $\frac{2}{3}$ and $\frac{3}{4}$ is _____

A. 3

B. 6

C. 9

D. 12

6. The triangle whose angles are 50° , 30° and _____ is an obtuse triangle

A. 50

B. 80

C. 40

D. 100

7. The angle of the shaded part  is _____

- A. 60° B. 270° C. 180° D. 120°

8. The cuboid has _____ faces.

- A. 12 B. 8 C. 6 D. 9

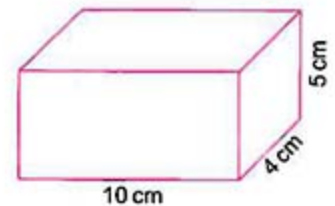
9. The _____ has one vertex.

- A. cube B. cuboid C. cone D. square

2. Answer the following questions:

1. Ayman bought $2\frac{3}{8}$ kilogram of Apple and $3\frac{1}{4}$ kilogram of Banana , find the total weight in kilograms of Apple and Banana ?

2. Find the volume of the opposite cuboid.



3. Marwan studied Math for $2\frac{1}{2}$ hours and Science for 90 minutes , how many hours did Marwan study in all ?

4. Ahmed's garden is 5 units long by $\frac{2}{5}$ unite wide , what is the area of Ahmed's garden ?

5. Evaluate : $5\frac{3}{4} + \frac{2}{7}$

6. Complete the pie chart using the following table :

Primary 1	Primary 2	Primary 3
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$

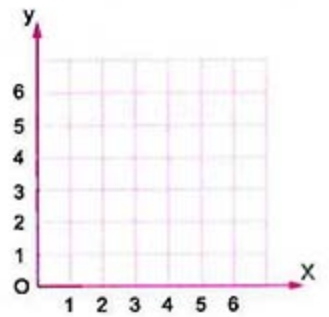


7. Plot the points on coordinate - plane

A (2, 2), B (2, 5), C (5, 5), D (5, 2)

, then join these points

Name the result shape



17

El-Menia Governorate

Maths Supervision

1. Choose the correct answer :

1. The volume of the cuboid whose dimensions are 5 cm , 4 cm , 3 cm is _____ cm^3

- A. 60 B. 80 C. 50 D. 70

2. The measure of the central angle which represents the shaded part is _____ $^\circ$

- A. 100 B. 90
C. 45 D. 360

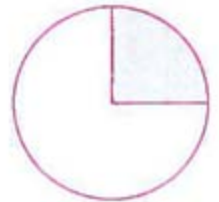


3. The quadrilateral that has no line of symmetry is _____

- A. square. B. rhombus. C. rectangle. D. parallelogram.

4. The fraction which represents that shaded part is _____

- A. $\frac{1}{5}$ B. $\frac{1}{3}$
C. $\frac{1}{4}$ D. $\frac{3}{4}$



5. $\frac{2}{5} \times \frac{3}{6} = \frac{2}{5}$

- A. 4 B. 6 C. 9 D. 0

6. $\frac{1}{3} + \frac{1}{12}$ _____ $\frac{9}{12} - \frac{1}{4}$

- A. > B. < C. = D. otherwise.

7. _____ is a circle divided into sectors.

- A. pie chart. B. line plot. C. bar graph. D. double bar graph.

8. The L.C.M of the denominators of $\frac{1}{5}$ and $\frac{2}{3}$ is _____

- A. 15 B. 12 C. 20 D. 6

9. The _____ has one vertex.

- A. cube B. cuboid C. cone D. cylinder

2. Answer the following questions :

1. Seif studied Math for $1\frac{1}{2}$ hours and Science for 30 minutes. How many hours did Seif study in all ?

2. How many thirds are there in the number 5 ?

3. If the price of 1 kg of tomatoes is $3\frac{1}{2}$ pounds , find the price of $2\frac{1}{2}$ kg of tomatoes.

4. Plot the points on the coordinate plan

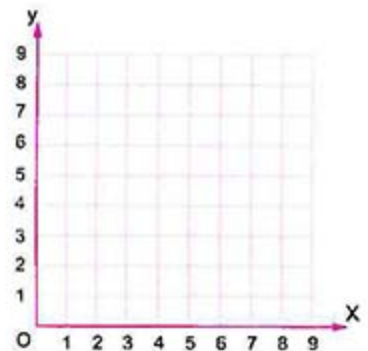
A (2 , 4)

, B (7 , 4)

, C (7 , 7)

, D (2 , 7)

The length of $\overline{AB}$ = _____ units.



5. Use the opposite number line to answer the questions :

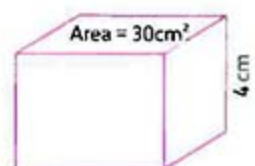
a. What is the value of B ?

b. How far is point C from point A ?



6. Maya ate $\frac{1}{4}$ of 24 candies. How many candies are left ?

7. Find the volume of this solid ?



18

Souhag Governorate



Central Mathematics Supervision

1. Choose the correct answer :

1. $\frac{1}{4} \div C = \frac{1}{12}$, then $C =$ _____

A. 4

B. 3

C. 1

D. $\frac{1}{3}$

2. The point (0, 7) lies on _____

A. y-axis.

B. x-axis.

C. origin point.

D. otherwise.

3. The smallest like denominator for $\frac{1}{2}$ and $\frac{1}{3}$ is _____

A. 5

B. 6

C. 12

D. 23

4. The circular degree of the shaded part is _____

A. 90° B. 180° C. 270° D. 360° 

5. $3\frac{1}{5} =$ _____ [as an improper fraction]

A. $\frac{16}{5}$ B. $2\frac{6}{5}$

C. 4

D. $3\frac{3}{5}$

6. $5 \times \frac{3}{5}$ _____ $5 + \frac{3}{5}$

A. <

B. >

C. =

D. otherwise

7. The triangle whose measures of angles are 50° , 92° and 38° is called _____ angled triangle.

A. right

B. acute

C. obtuse

D. straight

8. _____ is a circle divides into sectors.

A. Pie chart

B. Line plot

C. Bar graph

D. Double bar graph

9. From the opposite table :

What is the fraction representing the red color ?

Color	red	blue	green
Fraction		$\frac{3}{10}$	$\frac{2}{10}$

A. $\frac{2}{10}$ B. $\frac{1}{2}$ C. $\frac{4}{10}$ D. $\frac{6}{10}$

2. Answer the following questions :

1. Evaluate in its simplest form :

a. $9\frac{5}{7} - 3\frac{2}{7} =$ _____

b. $3\frac{1}{2} \times \frac{2}{5} =$ _____

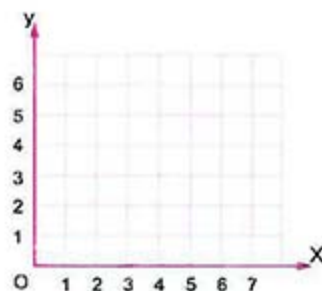
2. a. Plot the points

A (2, 2), B (2, 5)

C (5, 5) and D (5, 2)

on the coordinates grid :

b. Connect the points in order and write the name of the polygon _____



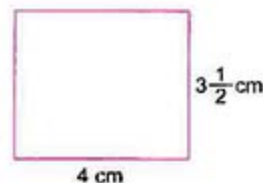
3. A rectangular prism whose dimensions are 5 m, 3 m and 4 m.
Find its volume ?

The volume = _____ = _____ m^3

4. There are 4 kg of sugar divided into packages of $\frac{1}{2}$ kg for each.
How many packages will be made?

The number of packages = _____

5. Find the area of the opposite rectangle.



6. Ahmed studied math for $1\frac{1}{2}$ hours and science for 30 minutes.
How many hours did Ahmed study in all ?

7. If $\frac{5}{9} + K = 1$, then $K =$ _____

19

Luxor Governorate



Maths Supervision

1. Choose the correct answer :

1. The y-coordinate in the order pair (4, 5) is _____

A. 5

B. 4

C. 9

D. 1

2. $1 \times \frac{2}{5}$ _____ $1\frac{2}{5}$

A. >

B. <

C. $\geq$

D. =

3. The measure of the central angle of the sector that represents $\frac{1}{4}$ of the circle is _____

A. 180°

B. 360°

C. 90°

D. 120°

4. The _____ has only one pair parallel sides.

A. pentagon

B. trapezium

C. rhombus

D. rectangle

5. $\frac{1}{2}$ year = _____ months.
 A. 12 B. 9 C. 18 D. 6
6. If the volume of a cuboid = 50 cm^3 and its base area = 10 cm^2 , then its height = _____ cm
 A. 60 B. 180 C. 40 D. 5
7. $6\frac{1}{2} = \frac{\quad}{2} \div 2$
 A. 11 B. 12 C. 13 D. 14
8. The point (7, 0) lies on _____
 A. origin point. B. x-axis. C. y-axis. D. otherwise.
9. $6 \div \frac{2}{5} = \frac{\quad}{5}$
 A. 20 B. 15 C. $\frac{12}{5}$ D. $\frac{5}{12}$

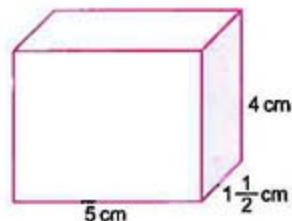
2. Answer the following questions :

1. There are 8 kg of chickpeas, and the worker packs them into containers, each holding $\frac{1}{2}$ kg. How many containers are needed ?

2. Ahmed bought $5\frac{1}{9}$ meters of fabric. If the price of one meter is $4\frac{1}{2}$ pounds. What is the total amount he paid ?

3. Heba walked $5\frac{1}{2}$ km on Monday and walked $4\frac{1}{2}$ km on Friday. How many kilometers did she walk in total ?

4. Find the volume of opposite cuboid.



5. Represent the following data by the opposite pie chart

Rate	Excellent	Good	Pass	Weak
Number of student	3	12	6	3



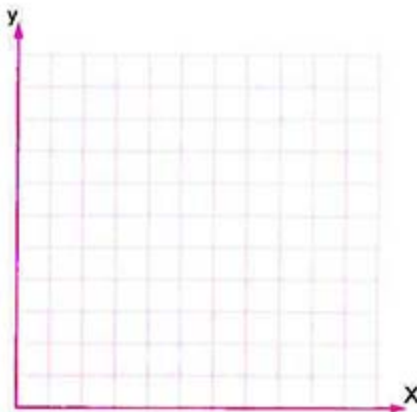
6. A window in the shape of a rectangle , its length $1\frac{1}{4}$ m and width $1\frac{1}{2}$ m Find the area ?

7. In the opposite coordinate plane :

a. Graph the figure ABCD where

A (2 , 8) , B (3 , 4) , C (8 , 4) , D (7 , 8)

b. What is the name of the figure ABCD ?



20

Matrouh Governorate



Mathematics Supervision

1. Choose the correct answer :

1. $\frac{1}{3} \times \frac{3}{5} =$

A. 3

B. $\frac{1}{5}$ C. $\frac{5}{3}$

D. 5

2. A triangle of side lengths are 5 cm , 6 cm , and 7 cm its type according to its sides is

A. an equilateral triangle.

B. a scalene triangle.

C. an isosceles triangle.

D. a right-angled triangle.

3. The ordered pair that represents the origin in the Cartesian plane is

A. (1 , 1)

B. (0 , 0)

C. (2 , 2)

D. (4 , 4)

4. $3 \div \frac{1}{2} =$

A. 6

B. $\frac{1}{6}$ C. $\frac{1}{3}$

D. 3

5. A rectangle has a length of 5 cm and a width of 2 cm , then its perimeter is

A. 14 cm

B. 20 cm

C. 30 cm

D. 40 cm

6. The measure of the central angle that represents $\frac{1}{4}$ of a circle is

A. 20° B. 70° C. 90° D. 60°

7. $\frac{1}{2} + \frac{1}{4} =$

A. $\frac{1}{4}$ B. $\frac{3}{4}$ C. $\frac{1}{2}$

D. 2

8. The y-coordinate in the ordered pair is the _____ number.

A. first

B. second

C. third

D. fourth

9. The opposite figure represents two lines that are _____

A. parallel lines

B. perpendicular lines

C. intersecting lines

D. non-parallel lines



2. Answer the following questions :

1. A rectangular room has a length of 4 meters and a width of $2\frac{1}{2}$ meters.
What is the area of the room ?

2. Find the result of : $6\frac{1}{2} + 7\frac{1}{4}$

3. A rectangular prism has a base area of 35 cm^2 and a height of 10 cm.
Calculate its volume.

4. Tarek wants to divide $\frac{1}{2}$ kilograms of oranges equally among 2 of his friends.
What is each friend's share?

5. A cube has an edge length of 5 cm. Calculate its volume.

6. Find the result of : $5\frac{1}{2} - 2\frac{1}{4}$

7. Yasmine bought $1\frac{1}{2}$ liters of milk at a price of 2.5 Egyptian pounds per liter.
What is the total amount Yasmine paid?

1

Cairo

1. 1. B 2. A 3. C
4. D 5. B 6. B
7. D 8. B 9. C

2. $1.5 = 5$

$$10 = 5 \times 2$$

$$\text{L.C.M} = 5 \times 2 = 10$$

$$2.1 \frac{2}{3} \times 2 \frac{1}{4} = \frac{5}{3} \times \frac{9}{4} = \frac{15}{4} = 3 \frac{3}{4}$$

$$3. \frac{1}{3} \div m = \frac{1}{12}$$

$$m = \frac{1}{3} \div \frac{1}{12} = \frac{1}{3} \times \frac{12}{1} = 4$$

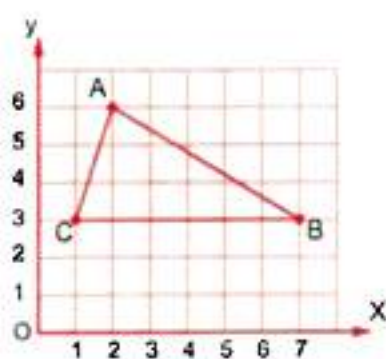
4. The area = 10×7
= 70 square units

$$5. 2 \frac{2}{5} + 1 \frac{3}{15} = 2 \frac{6}{15} + 1 \frac{3}{15} = 3 \frac{9}{15}$$

$$= 3 \frac{3}{5}$$

6. The volume = $3 \times 2 \times 4 = 24 \text{ cm}^3$

7. a.



b. Scalene triangle

2

Cairo

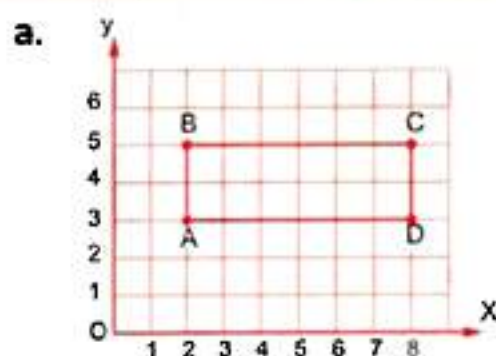
1. 1. B 2. B 3. C
4. B 5. B 6. B
7. B 8. A 9. D

2. The area of rectangle = $12 \times \frac{2}{3} = 8 \text{ m}^2$

3. a. $3 + \frac{5}{8} = 3 \frac{5}{8}$
b. $3 \times 1.5 = 3 \times \frac{15}{10} = \frac{45}{10} = 4 \frac{1}{2}$

4. The volume of the opposite prism = $3 \times 3 \times 3 = 27 \text{ cm}^3$

5. a.



b. Rectangle

6. Mona studies = $3 \frac{1}{2} + 1 \frac{1}{2}$
= $[3 + 1] + [\frac{1}{2} + \frac{1}{2}]$
= $4 + 1 = 5 \text{ hours}$

7. 1. $\frac{1}{4}$ 2. $\frac{1}{8}$
3. $\frac{1}{2}$

8. a. $L = \frac{72}{3 \times 2} = 12 \text{ m}$

b. $4\frac{1}{3} + 2\frac{1}{2} = 4\frac{2}{6} + 2\frac{3}{6}$
 $= 6\frac{5}{6}$

3

Cairo

1. 1.C 2.C 3.A
 4.D 5.B 6.D
 7.C 8.C 9.C

2. 1. $a = \frac{1}{3} \div \frac{1}{12} = \frac{1}{3} \times \frac{12}{1} = 4$

2. The volume $= 6 \times 3 \times 8$
 $+ 6 \times 3 \times 10$
 $= 144 + 180$
 $= 324 \text{ m}^3$

3. The area $= 5\frac{1}{3} \times 1\frac{1}{2}$
 $= \frac{16}{3} \times \frac{3}{2} = 8 \text{ cm}^2$

4. The price $= 3\frac{1}{2} \times 5 = \frac{7}{2} \times 5$
 $= \frac{35}{2} = 17\frac{1}{2} \text{ pounds}$

5. The sum $= 5\frac{3}{4} + 7\frac{5}{12}$
 $= 5\frac{9}{12} + 7\frac{5}{12} = 12\frac{14}{12}$
 $= 13\frac{1}{6}$

6. The remainder $= \frac{2}{3} - \frac{1}{9}$
 $= \frac{6}{9} - \frac{1}{9}$
 $= \frac{5}{9} \text{ kg}$

7. The measure of the central angle of the shaded sector
 $= \frac{2}{3} \times 360^\circ = 240^\circ$

4

Giza

1. 1.B 2.D 3.B
 4.A 5.B 6.A
 7.C 8.D 9.A

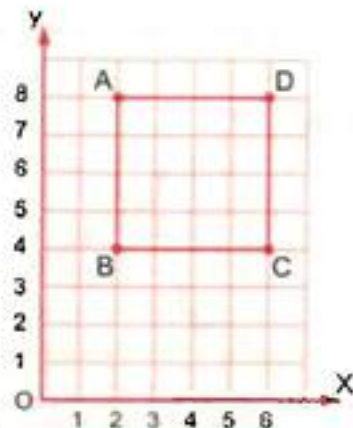
2. 1. The area $= \frac{3}{4} \times \frac{4}{5} = \frac{3}{5} \text{ m}^2$
 2. $2\frac{1}{2} - 1\frac{1}{4} = 2\frac{2}{4} - 1\frac{1}{4} = 1\frac{1}{4}$
 3. Hadeer studied $= 3\frac{1}{2} + 2\frac{1}{2}$
 $= (3 + 2) + (\frac{1}{2} + \frac{1}{2}) = 5 + 1$
 $= 6 \text{ hours}$

4. $L = \frac{100}{5 \times 2} = 10 \text{ cm}$

5. $A = \frac{1}{2}$

6. $= \frac{1}{4}$

7. a.



b. square

5

Giza

1. 1.B 2.C 3.B
 4.B 5.C 6.C
 7.A 8.C 9.A

2. 1. Mona took $= 2\frac{1}{3} + 1\frac{2}{3}$
 $= (2+1) + (\frac{1}{3} + \frac{2}{3})$
 $= 3 + 1 = 4$ hours

2. The area $= \frac{1}{7} \times \frac{1}{5} = \frac{1}{35} \text{ cm}^2$

3. 1.a. $k = \frac{5}{6} - \frac{1}{3} = \frac{5}{6} - \frac{2}{6}$
 $= \frac{3}{6} = \frac{1}{2}$

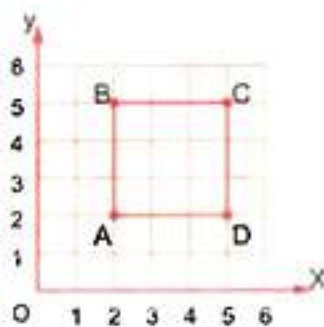
b. $k = 2$

2. The price $= 8 \times 1\frac{1}{2}$
 $= \cancel{8}^4 \times \frac{3}{2^1} = 12 \text{ L.E.}$

4. 1.



2.



Square

3. The volume $= 30 \times 10 \times 60$
 $= 18000 \text{ cm}^3$

6

Alexandria

1. 1.B 2.A 3.A
 4.C 5.A 6.B
 7.A 8.A 9.B

2. 1. The area $= \frac{1}{2^1} \times \frac{2^1}{5}$
 $= \frac{1}{5}$ square unit

2. The total mass $= \cancel{4}^1 \times \frac{3}{\cancel{4}^1} = 3 \text{ kg}$

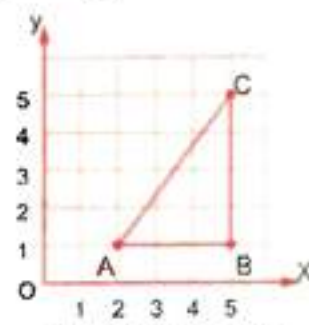
3. Number of bags $= 5 \div \frac{1}{5}$
 $= 5 \times 5$
 $= 25$ bags

4. The total amount $= \frac{3}{10} + \frac{4}{10} = \frac{7}{10}$

3. 5. The volume $= 8 \times 6 \times 2$
 $= 96 \text{ cm}^3$

6. The total amount
 $= 2\frac{1}{3} \times 1\frac{1}{2} = \frac{7}{3^1} \times \frac{3^1}{2}$
 $= \frac{7}{2} = 3\frac{1}{2}$ pounds

7.



Right triangle

7

Alexandria

1. 1.D 2.B 3.D
4.A 5.C 6.A
7.B 8.B 9.C

2. 1. The output $= \frac{1}{3} \times 27 = 9$
2. $2 \div \frac{2}{3} = 2^1 \times \frac{3}{2^1} = 3$
3. A = (2, 5)
B = (3, 4)
C = (0, 3)
4. $M = 6\frac{4}{5} - 1\frac{3}{5} = 5\frac{1}{5}$
5. 3.5, 5
6. $1\frac{1}{4} + 1\frac{2}{3} = \frac{5}{4} + \frac{5}{3} = \frac{15}{12} + \frac{20}{12}$
 $= \frac{35}{12} = 2\frac{11}{12}$
7. The volume $= 20 \times 12 = 240 \text{ cm}^3$

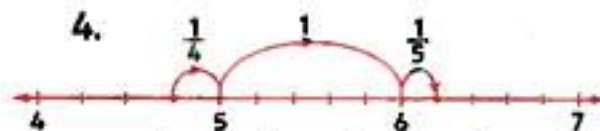
8

EL-Kalyoubia

1. 1.C 2.B 3.D
4.B 5.B 6.B
7.C 8.B 9.A

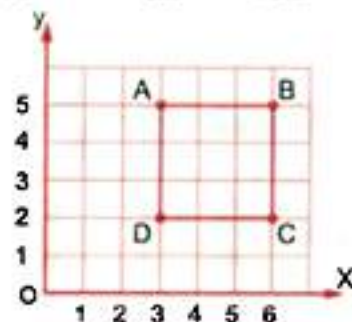
2. 1. The minutes $= 1\frac{1}{3} \times 60$
 $= \frac{4}{3} \times 60^{20}$
 $= 80 \text{ minutes}$
2. The quotient $= 5 \div \frac{1}{3}$
 $= 5 \times 3 = 15$

3. The product $= 2\frac{1}{3} \times 1\frac{2}{7}$
 $= \frac{7^1}{3^1} \times \frac{9^3}{7^1} = 3$



$6\frac{1}{5} - 4\frac{3}{4} = \frac{1}{4} + 1 + \frac{1}{5}$
 $= \frac{5}{20} + 1 + \frac{4}{20} = 1\frac{9}{20}$

5.



Square

6. The area $= 2 \times \frac{3}{5} = \frac{6}{5} \text{ m}^3$
7. The name is cuboid
The volume $= 10 \times 5 \times 2$
 $= 100 \text{ cm}^2$

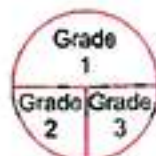
9

EL-Sharkia

1. 1.B 2.D 3.B
4.C 5.A 6.D
7.C 8.B 9.B

2. 1. The origin
2. $X = \frac{1}{9} \div 3 = \frac{1}{9} \times \frac{1}{3} = \frac{1}{27}$
3. The price of 8 books
 $= 2\frac{1}{2} \times 8 = \frac{5}{2} \times 8^4 = 20 \text{ pounds}$

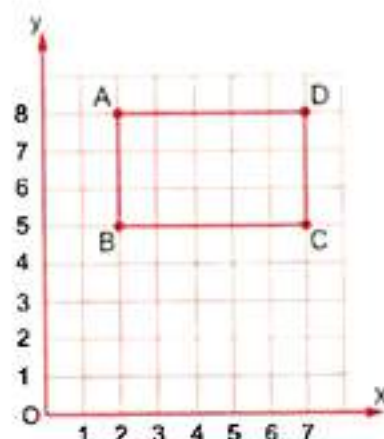
4. The area = $5\frac{1}{3} \times 2\frac{1}{4}$
 $= \frac{16^4}{3^1} \times \frac{9^3}{4^1} = 12 \text{ m}^2$
5. $2\frac{2}{3} - 1\frac{3}{5} = 2\frac{10}{15} - 1\frac{9}{15} = 1\frac{1}{15}$
6. The volume = $5 \times 3 \times 2 = 30 \text{ m}^3$
7. $\frac{1}{4}$



10 EL-Monofia

1. 1.A 2.C 3.B
 4.D 5.A 6.C
 7.D 8.C 9.A
2. 10. The number of bloom bushes
 $= 8^2 \times \frac{2}{3^1} = 4 \text{ bushes}$
11. $L = \frac{72}{3 \times 2} = 12 \text{ m}$
12. The number of his friends
 $= 5 \div \frac{1}{2} = 5 \times 2 = 10 \text{ friends}$
13. The left = $6\frac{4}{5} - 3\frac{1}{2}$
 $= 6\frac{8}{10} - 3\frac{5}{10}$
 $= 3\frac{3}{10} \text{ cakes}$
14. The area of the window
 $= 3 \times 1\frac{1}{3} = 3^1 \times \frac{4}{3^1} = 4 \text{ m}^2$
15. $\frac{23}{5} = 4\frac{3}{5}$, B = 4

16.



AD = 5 units

11 EL-Gharbia

1. 1.B 2.B 3.D
 4.A 5.A 6.A
 7.C 8.B 9.C
2. 1.a. $\frac{3}{7} + \frac{3}{14} = \frac{6}{14} + \frac{3}{14} = \frac{9}{14}$
 b. $\frac{1}{3} \div \frac{1}{6} = \frac{1}{3^1} \times 6^2 = 2$
 c. $\frac{2}{3} \times 1.5 = \frac{2^1}{3^1} \times \frac{15^5}{10^5} = \frac{5}{5} = 1$
2. The left = $\frac{3}{4} - \frac{1}{3} = \frac{9}{12} - \frac{4}{12}$
 $= \frac{5}{12} \text{ liter}$
- 3.a. $2\frac{2}{5} \times \frac{2}{3} = \frac{12^4}{5} \times \frac{2}{3^1} = \frac{8}{5}$
 b. $3\frac{2}{3} - 1\frac{3}{5} = [3 - 1] + [\frac{2}{3} - \frac{3}{5}]$
 $= 2 + [\frac{10}{15} - \frac{9}{15}]$
 $= 2 + \frac{1}{15} = 2\frac{1}{15}$

4. The number of packages

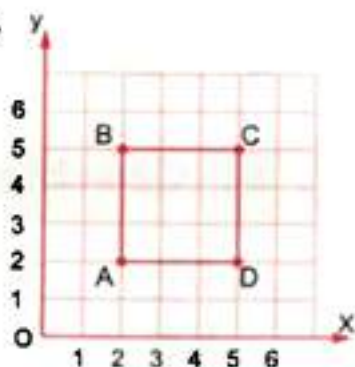
$$= 4 \div \frac{1}{4} = 4 \times 4 = 16 \text{ packages}$$

5. The area of a rectangle

$$= \frac{2^1}{7^1} \times \frac{7^1}{10^5} = \frac{1}{5} \text{ m}^2$$

6. The height = $160 \div 20 = 8 \text{ cm}$.

7.a.



b. a square, 9

12

EL-Dakahlia

1. a. 1. A 2. B 3. B

b. The left = $\frac{2}{3} - \frac{2}{5} = \frac{10}{15} - \frac{6}{15} = \frac{4}{15} \text{ litre}$

2. a. 1. B 2. A 3. C

b. 1. 2 2. 7 units

3. a. 1. C 2. C 3. C

b. What the car consumes

$$= 4 \times 3 \frac{1}{4} = 4^1 \times \frac{13}{4^1} = 13 \text{ liters}$$

4. a. The volume = $10 \times 10 \times 50 = 5,000 \text{ cm}^3$

b. The number of hours =

$$5 \div \frac{1}{3} = 5 \times 3 = 15 \text{ hours}$$

5. a. The distance that Rahma

$$\text{swam} = 3 \frac{1}{8} + 2 \frac{1}{4} = 3 \frac{1}{8} + 2 \frac{2}{8} = 5 \frac{3}{8} \text{ km}$$

b. 1. (2, 6)

2. Isosceles triangle

13

Port Said

1. 1. B 2. B 3. D

4. C 5. A 6. B

7. B 8. A 9. C

2. 1. A cuboid, 12, 6

2. The area of rectangle = $7 \times 3 = 21 \text{ square unit}$

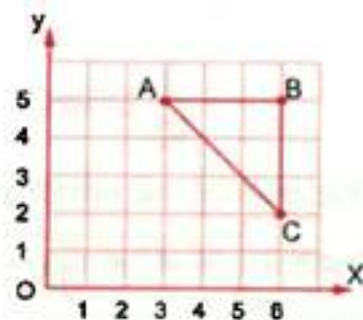
$$3. \frac{3^1}{7^1} \times \frac{7^1}{15^5} = \frac{1}{5}$$

$$4. 17 \div 3 = \frac{17}{3} = 5 \frac{2}{3}, d = 2$$

$$5. \frac{4}{3}$$

6. A = 16, B = 20, C = 24

7.



A triangle

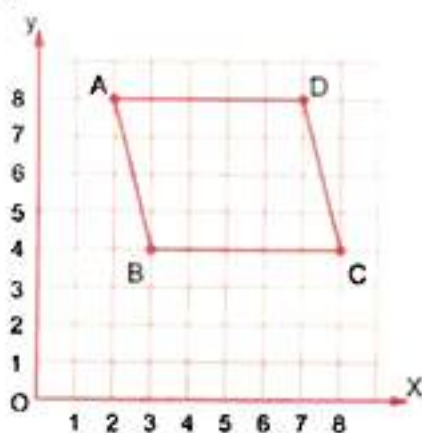
14 Kafr El-Sheikh

1. 1. B 2. A 3. C
 4. C 5. A 6. B
 7. C 8. B 9. B

2. 1. $A = 5\frac{5}{8} - 2\frac{3}{8} = 3\frac{2}{8} = 3\frac{1}{4}$

2. The area of the rectangle
 $= \frac{1}{5} \times \frac{1}{4} = \frac{1}{20} \text{ m}^2$

3.



Parallelogram

AD = 5 unit

4. $6 \div \frac{1}{3} = 6 \times 3 = 18$

3. 5. The price of 8 books $= 8 \times 10\frac{1}{2}$
 $= 8^4 \times \frac{21}{2^1}$
 $= 84 \text{ L.E.}$

6. The volume of cuboid

$= 2 \times 3 \times 5 = 30 \text{ cm}^3$

7. Ali study in all $= 2\frac{1}{4} + 1\frac{1}{3}$
 $= \frac{9}{4} + \frac{4}{3}$
 $= \frac{27}{12} + \frac{16}{12} = \frac{43}{12}$
 $= 3\frac{7}{12} \text{ hours}$

15 EL-Beheira

1. 1. A 2. C 3. C
 4. C 5. C 6. A
 7. A 8. B 9. B

2. 1. What he needs $= 5\frac{3}{4} - 4\frac{1}{3}$
 $= [5 - 4] + [\frac{9}{12} - \frac{4}{12}] = 1\frac{5}{12} \text{ kg}$

2. What he paid

$= 2\frac{1}{2} \times 4\frac{2}{5} = \frac{5^1}{2^1} \times \frac{22^1}{5^1}$
 $= 11 \text{ pounds}$

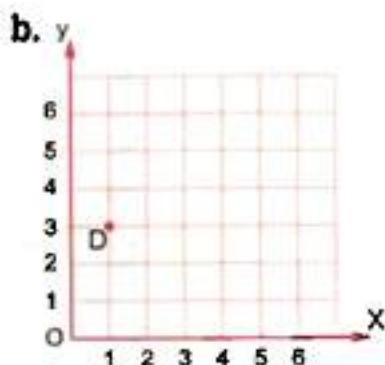
3. $5\frac{3}{8} + 3\frac{1}{6} = 5\frac{18}{48} + 3\frac{8}{48}$
 $= 8\frac{26}{48} = 8\frac{13}{24}$

4. $2\frac{2}{5} \times 3\frac{3}{4} = \frac{12^3}{5^1} \times \frac{15^3}{4^1} = 9$

5. The area $= \frac{1}{2} \times 1\frac{4}{7} = \frac{1}{2} \times \frac{11}{7}$
 $= \frac{11}{14} \text{ m}^2$

6. 4, 2, 2, 16

7.a.B



c.C (5, 0)

16

EL-Fayoum

1. 1.C 2.B 3.C
4.B 5.D 6.D
7.C 8.C 9.C

2. 1. Total weight = $2\frac{3}{8} + 3\frac{1}{4}$
 $= 2\frac{3}{8} + 3\frac{2}{8}$
 $= 5\frac{5}{8}$ kilograms

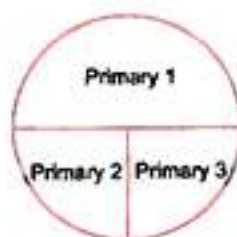
2. The volume = $10 \times 4 \times 5$
 $= 200 \text{ cm}^3$

3. Marwan study in all
 $= 2\frac{1}{2}$ hours + 90 minutes
 $= 2\frac{1}{2} + 1\frac{1}{2} = 4$ hours

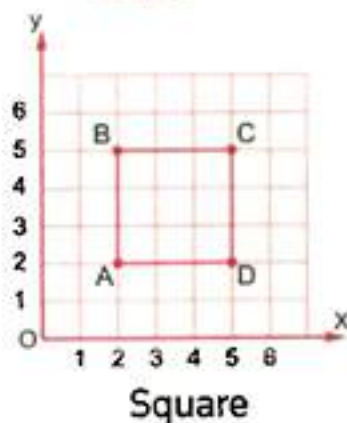
4. The area = $5^1 \times \frac{2}{5^1}$
 $= 2$ square units

5. $5\frac{3}{4} + \frac{2}{7} = 5 + [\frac{3}{4} + \frac{2}{7}]$
 $= 5 + [\frac{21}{28} + \frac{8}{28}]$
 $= 5 + \frac{29}{28} = 6\frac{1}{28}$

6.



7.



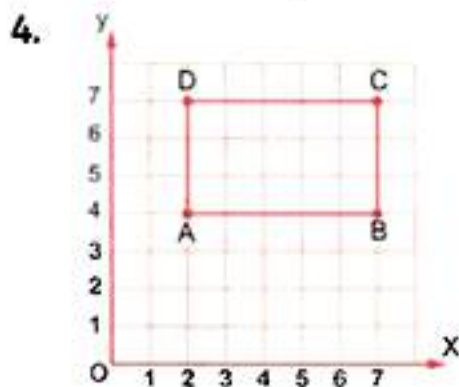
17

EL-Menia

1. 1.A 2.C 3.D
4.C 5.B 6.B
7.A 8.A 9.C

2. 1. He studied
 $= 1\frac{1}{2}$ hours + 30 minutes
 $= 1\frac{1}{2} + \frac{1}{2} = 2$ hours
 2. The number of thirds
 $5 \div \frac{1}{3} = 5 \times 3 = 15$

$$\begin{aligned}
 3. \text{ The price} &= 3 \frac{1}{2} \times 2 \frac{1}{2} \\
 &= \frac{7}{2} \times \frac{5}{2} = \frac{35}{4} \\
 &= 8 \frac{3}{4} \text{ pounds}
 \end{aligned}$$



The length of $\overline{AB}$ = 5 units

5. a. 6

b. 6 units

$$\begin{aligned}
 6. \text{ What she ate} &= \frac{1}{4} \times 24 \\
 &= 6 \text{ candies}
 \end{aligned}$$

The left = $24 - 6 = 18$ candies

$$7. \text{ The volume} = 30 \times 4 = 120 \text{ cm}^3$$

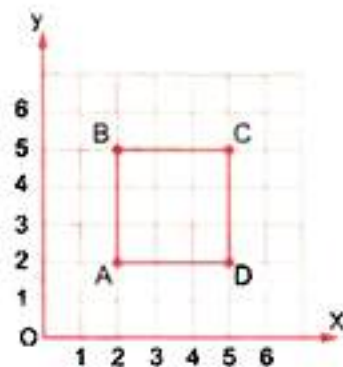
18

Souhag

1. 1.B 2.A 3.B
 4.A 5.A 6.A
 7.C 8.A 9.B

$$2. \text{ 1.a. } 6 \frac{3}{7} \quad \text{b. } \frac{7}{2^1} \times \frac{2^1}{5} = \frac{7}{5}$$

2.a.



b. square

$$3. \text{ The volume} = 5 \times 3 \times 4 = 60 \text{ m}^3$$

$$4. \text{ The number of packages} \\ = 4 \div \frac{1}{2} = 4 \times 2 = 8 \text{ packages}$$

$$\begin{aligned}
 5. \text{ The area} &= 4 \times 3 \frac{1}{2} = 4 \times \frac{7}{2^1} \\
 &= 14 \text{ cm}^2
 \end{aligned}$$

6. He studied

$$\begin{aligned}
 &= 1 \frac{1}{2} \text{ hours} + 30 \text{ minutes} \\
 &= 1 \frac{1}{2} + \frac{1}{2} = \frac{3}{2} + \frac{1}{2} \\
 &= \frac{4}{2} = 2 \text{ hours}
 \end{aligned}$$

$$7. K = 1 - \frac{5}{9} = \frac{9}{9} - \frac{5}{9} = \frac{4}{9}$$

19

Luxor

1. 1.A 2.B 3.C
 4.B 5.D 6.D
 7.C 8.B 9.B

$$\begin{aligned}
 2. \text{ 1. The number of containers} \\
 &= 8 \div \frac{1}{2} = 8 \times 2 = 16 \text{ containers}
 \end{aligned}$$

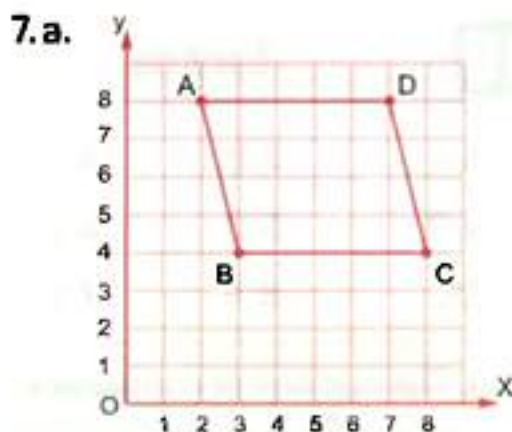
$$2. \text{ He paid} = 5 \frac{1}{9} \times 4 \frac{1}{2} = \frac{46}{9} \times \frac{9}{2} \\ = 23 \text{ pounds}$$

$$3. \text{ She walked} = 5 \frac{1}{2} + 4 \frac{1}{2} \\ = [5 + 4] + [\frac{1}{2} + \frac{1}{2}] \\ = 9 + 1 = 10 \text{ km.}$$

$$4. \text{ The volume} = 4 \times 5 \times 1 \frac{1}{2} \\ = 20 \times \frac{3}{2} \\ = 30 \text{ cm}^3$$



$$6. \text{ The area} = 1 \frac{1}{4} \times 1 \frac{1}{2} \\ = \frac{5}{4} \times \frac{3}{2} \\ = \frac{15}{8} = 1 \frac{7}{8} \text{ m}^2$$



b. Parallelogram

20

Matrouh

1. 1. B 2. B 3. B
4. A 5. A 6. C
7. B 8. B 9. A

2. 1. The area = $4 \times 2 \frac{1}{2} = 4^2 \times \frac{5}{2}$
= 10 square meters

2. The result = $6 \frac{1}{2} + 7 \frac{1}{4}$
= $\frac{13}{2} + \frac{29}{4}$
= $\frac{26}{4} + \frac{29}{4} = \frac{55}{4}$
= $13 \frac{3}{4}$

3. The volume = 35×10
= 350 cm^3

4. Each friend's share
= $\frac{1}{2} \div 2 = \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ kilograms

5. The volume = $5 \times 5 \times 5$
= 125 cm^3

6. The result = $5 \frac{1}{2} - 2 \frac{1}{4} = \frac{11}{2} - \frac{9}{4}$
= $\frac{22}{4} - \frac{9}{4} = \frac{13}{4} = 3 \frac{1}{4}$

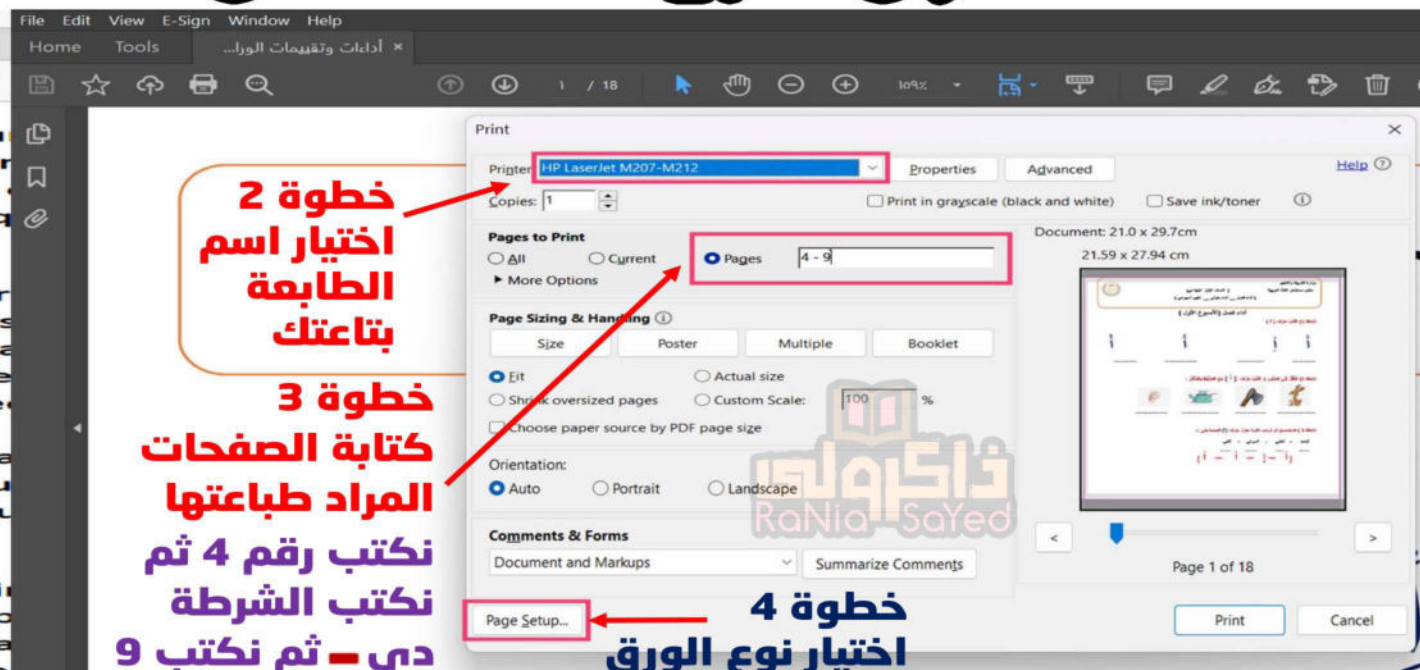
7. Yasmine paid = $1 \frac{1}{2} \times 2.5$
= $\frac{3}{2} \times \frac{25}{10} = \frac{15}{4}$
= $3 \frac{3}{4}$ pounds

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



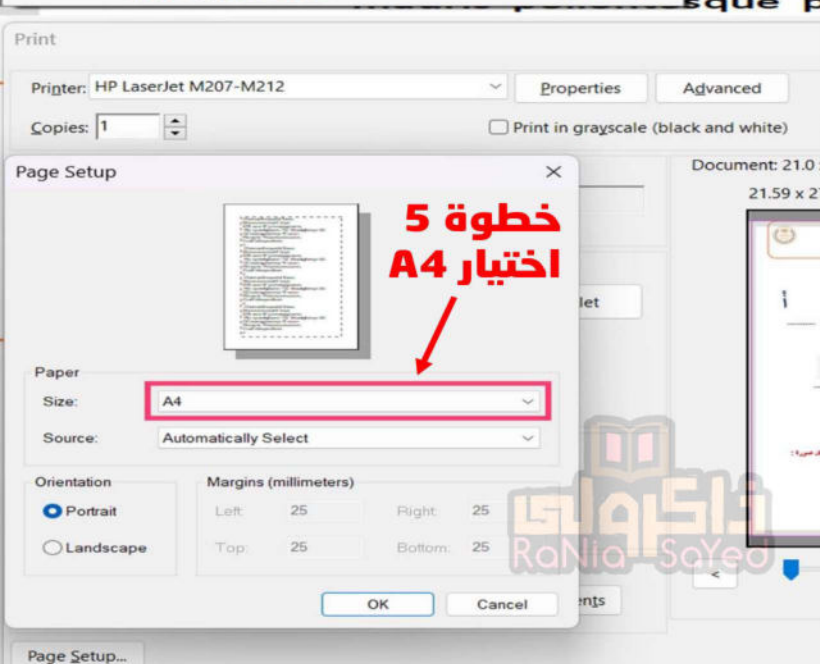
خطوة 1



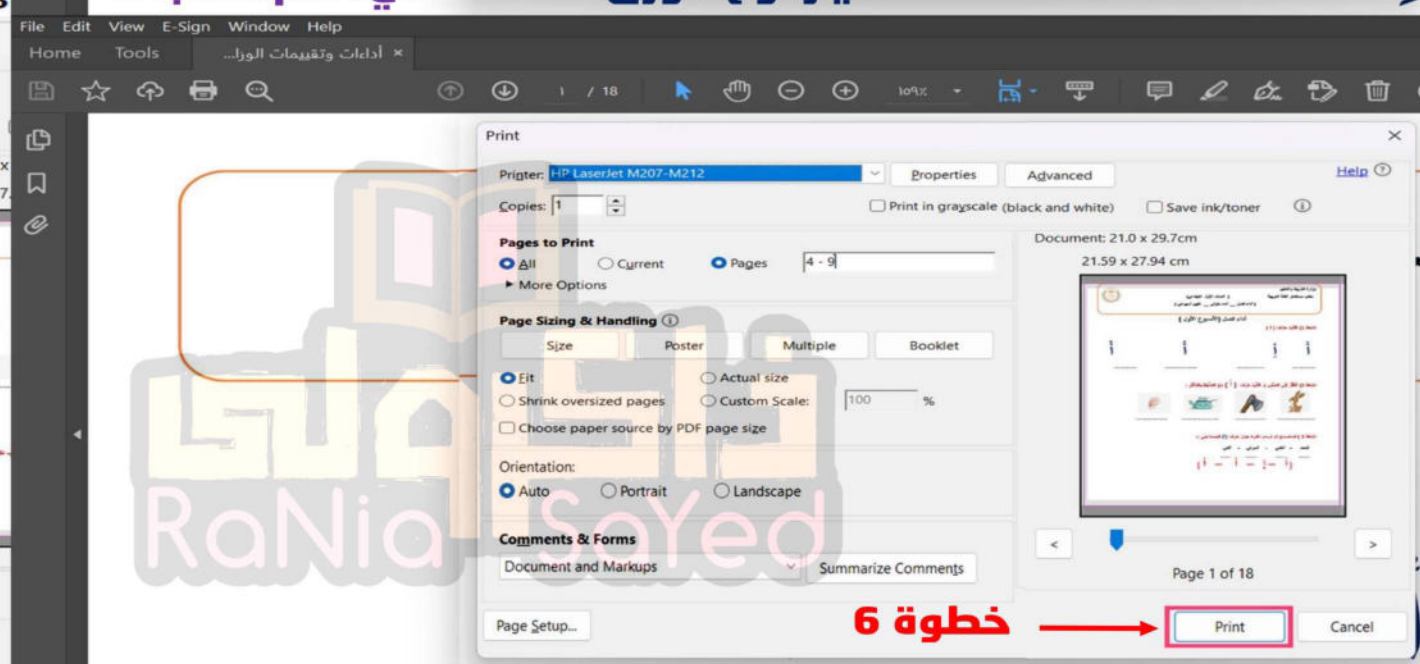
خطوة 2
اختيار اسم
الطابعة
بتاعتك

خطوة 3
كتابة الصفحات
المراد طباعتها
نكتب رقم 4 ثم
نكتب الشرطة
دي - ثم نكتب 9

خطوة 4
اختيار نوع الورق



خطوة 5
اختيار A4



خطوة 6

حمل الآن

مجاناً وحصرياً

امتحانات رقم (2)

الترم الثاني



1 Choose the correct answer:

- a $\frac{45}{60} = \dots\dots\dots$ $(\frac{5}{6}, \frac{3}{4}, \frac{18}{20}, \frac{10}{12})$
- b $\frac{5}{6} + \frac{7}{6} = \dots\dots\dots$ $(1\frac{5}{6}, 1\frac{11}{12}, 2, 2\frac{1}{6})$
- c The L.C.M of 8 and 6 is $\dots\dots\dots$. $(48, 18, 16, 24)$
- d $\frac{1}{2} \div 3 = \dots\dots\dots$ $(\frac{3}{2}, \frac{2}{3}, \frac{1}{6}, 6)$
- e Any triangle has at least $\dots\dots\dots$ acute angles. $(0, 1, 2, 3)$
- f The point $\dots\dots\dots$ lies on the X-axis. $[(5,0), (0,5), (1,5), (5,1)]$
- g A rectangular prism has a volume of 240 cm^3 , and its base area is 80 cm^2 ,
then its height is $\dots\dots\dots$ cm. $(4, 5, 6, 3)$
- h The number of edges of the cube is $\dots\dots\dots$. $(5, 6, 8, 12)$
- i The number of axes of symmetry of the rectangle is $\dots\dots\dots$. $(0, 1, 2, 3)$

2 Answer each of the following:

- a Maha has $\frac{1}{2}$ kg of flour. She used $\frac{2}{5}$ kg of it. What is the remaining amount with her?

Answer:

.....

- b Ali ate $\frac{1}{4}$ of 24 candies. How many candies are left?

Answer:

.....

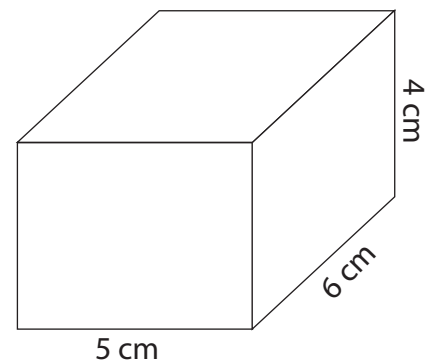
.....

- c Find the volume of the opposite cuboid.

Answer:

.....

.....



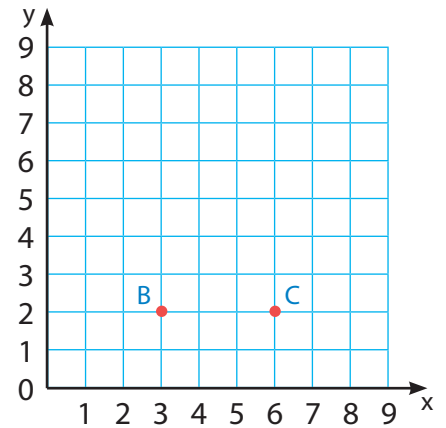
d Use the opposite coordinate plane to:

- 1 Plot the points $A(3,4)$, $D(6,4)$
- 2 Write the ordered pairs which represent the points $B(\dots, \dots)$, $C(\dots, \dots)$

Answer:

.....

.....



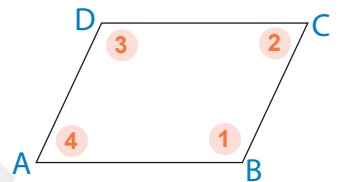
e How many thirds are there in 7?

Answer:

.....

f Complete:

- 1 The corresponding figure is called a
- 2 Angle (1) and (3) are angles.
- 3 Angle (2) and (4) are angles.



Answer:

.....

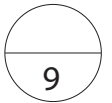
g Soha is reading a chapter of a story. She can usually read $20\frac{1}{2}$ pages in 1 hour.

If she plans to read for 1 hour and 15 minutes, **how many pages will she read?**

Answer:

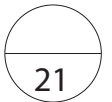
.....

.....



1 Choose the correct answer:

- a $\frac{5}{3}$ is a/an
(proper fraction , improper fraction , mixed number , whole number)
- b $5 - 3\frac{1}{2} = \dots\dots\dots$. ($1\frac{1}{2}$, 2 , $8\frac{1}{2}$, $2\frac{1}{2}$)
- c 2 hours and half = minutes (150 , 140 , 135 , 120)
- d $\frac{3}{4} \times \dots\dots\dots = \frac{3}{8}$ ($\frac{1}{4}$, $\frac{1}{2}$, $1\frac{1}{2}$, $\frac{8}{3}$)
- e $\dots\dots\dots \div \frac{1}{5} = 15$ ($\frac{1}{10}$, 10 , 3 , $\frac{1}{3}$)
- f A is a quadrilateral in which all of its sides are equal in length.
(rhombus , parallelogram , rectangle , trapezium)
- g A triangle whose side lengths are 5 cm, 7 cm, and 5 cm is called a/an triangle.
(equilateral , scalene , isosceles , otherwise)
- h A three-dimensional shape whose base is a circle is a
(cone , pyramid , cuboid , cube)
- i The fraction $\frac{3}{7}$ is closer to the benchmark fraction ($\frac{1}{2}$, 1 , $1\frac{1}{2}$, 0)



2 Answer each of the following:

- a Karim walked $2\frac{1}{5}$ km and Sameh walked $1\frac{1}{3}$ km more than Karim.

What is the distance that Sameh walked?

Answer:

.....

- b There are 8 bags of fava beans, each bag has a mass of $\frac{3}{4}$ kilogram.

What is the total mass of the fava beans?

Answer:

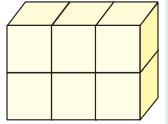
.....

- c How many fourths are there in 8?

Answer:

.....

d Observe the opposite cuboid, then complete: (each  represents 1 cm)



1 Length = cm

2 Width = cm

3 Height = cm

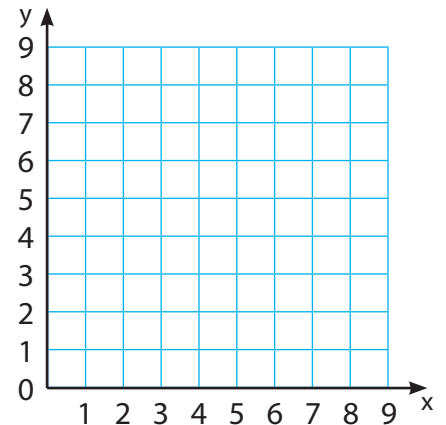
4 Volume = cm^3

Answer:

.....
.....

e In the opposite coordinate plane:

- Graph the figure ABCD where: A(2,2) , B(2,5) , C(6,5) ,
D(6 , 2), then write the name of the figure ABCD.



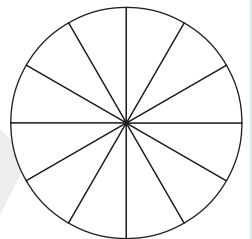
Answer:

.....
.....

f In the opposite pie chart. Shade $\frac{1}{3}$ of the circle, then complete:

1 The number of the shaded parts is

2 The fraction that represents unshaded parts is



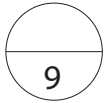
Answer:

.....
.....

g Find the L.C.M of 12 and 18.

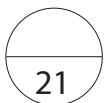
Answer:

.....
.....



1 Choose the correct answer:

- a $5\frac{1}{6} = \dots\dots\dots$ ($\frac{51}{6}, 1\frac{5}{6}, \frac{12}{6}, \frac{31}{6}$)
- b The smallest like denominator for the fractions $\frac{1}{4}$ and $\frac{2}{3}$ is $\dots\dots\dots$. (12, 24, 36, 48)
- c $3\frac{1}{4} + \dots\dots\dots = 5\frac{1}{2}$ ($1\frac{1}{2}, 2\frac{1}{2}, 1\frac{1}{4}, 2\frac{1}{4}$)
- d $1\frac{1}{4}$ years = $\dots\dots\dots$ months. (12, 16, 15, 18)
- e $\frac{8}{9} \times \frac{\dots}{6} = \frac{4}{9}$ (8, 1, 3, 4)
- f $\dots\dots\dots \div \frac{1}{4} = 16$ ($\frac{1}{4}, 4, 2, 8$)
- g A rhombus with 4 right angles is a $\dots\dots\dots$.
(rectangle, square, parallelogram, trapezium)
- h The right-angled triangle has one right angle and two $\dots\dots\dots$ angles.
(acute, right, obtuse, straight)
- i A $\dots\dots\dots$ is a three-dimensional shape that has two circular faces.
(cylinder, sphere, cone, circle)



2 Answer each of the following:

- a Hany studied math for $2\frac{1}{2}$ hours and science for 90 minutes.

How many hours did Hany study in all?

Answer:

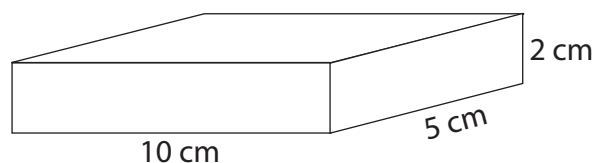
.....

- b Find the volume of the opposite figure:

Answer:

.....

.....



- c Omar owns a parking lot. The lot is 3 km long and $2\frac{1}{2}$ km wide.

What is the area of the parking lot?

Answer:

.....

- d What is the measure of the central angle that represents the opposite colored sector?

Answer:

.....

.....

- e What is the type of the opposite triangle according to its angle measures and side lengths?

Answer:

.....

.....

- f Find the missing:

$$\frac{1}{5} \div a = \frac{1}{30}$$

Answer:

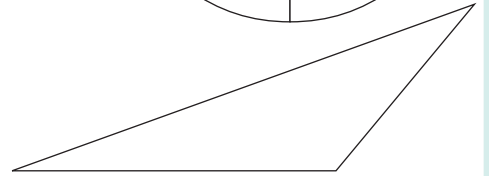
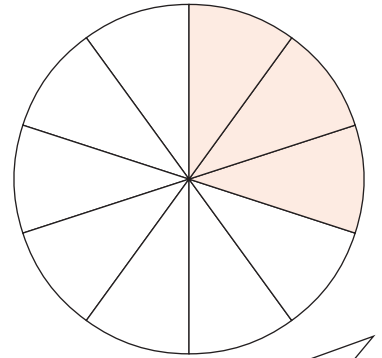
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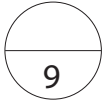
- g Find the result of:

$$3 - \frac{2}{3} - \frac{1}{5}$$

Answer:

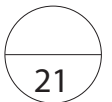
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1 Choose the correct answer:

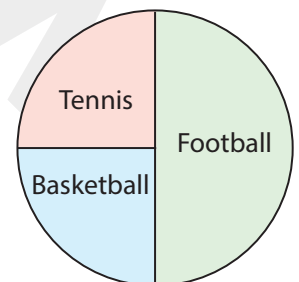
- a Each face of the cube is in the form of a (rectangle , square , triangle , circle)
- b Point is located on Y-axis. [(5,1) , (1,5) , (0,5) , (5,0)]
- c $2\frac{7}{4} = 3\frac{\quad}{\quad}$ ($\frac{19}{4}$, $\frac{15}{4}$, $\frac{11}{4}$, $\frac{3}{4}$)
- d $\frac{4}{15} \times \frac{5}{8} = \frac{1}{2} \times \dots\dots\dots$ ($\frac{2}{3}$, $\frac{3}{15}$, $\frac{2}{10}$, $\frac{1}{3}$)
- e $\frac{3}{5} + \frac{9}{10} = \dots\dots\dots + 1$ ($\frac{1}{10}$, $\frac{1}{2}$, $\frac{1}{5}$, $\frac{2}{5}$)
- f $\frac{40}{45} = \dots\dots\dots$ (in the simplest form) ($\frac{3}{8}$, $\frac{8}{9}$, $\frac{7}{8}$, $\frac{9}{8}$)
- g The length of a rectangle is 6 cm and its width is $2\frac{1}{4}$ cm, then its area is cm². ($4\frac{1}{4}$, $8\frac{1}{4}$, $12\frac{1}{4}$, $13\frac{1}{2}$)
- h In the ordered pair (7,2) , the X -coordinate is (14 , 9 , 7 , 2)
- i $3 \div \dots\dots\dots = 6$ ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{6}$, 2)



2 Answer each of the following:

- a The following pie chart shows the favorite sport for 200 pupils, complete:

- 1 The most preferred sport is
- 2 The number of pupils who prefer tennis is pupils.



Answer:

.....

- b Find the value of the unknown:

$$\frac{3}{20} + b = \frac{2}{5}$$

Answer:

.....

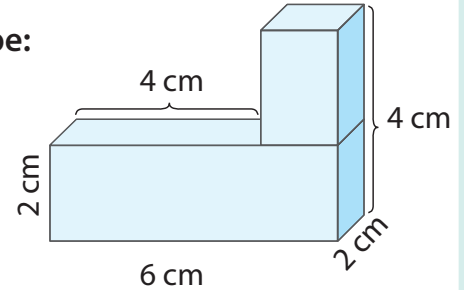
- c A teacher wants to give $\frac{1}{4}$ of a pack of pencils to each student if he has 4 packs. How many students will get pencils?

Answer:

.....

- d Calculate the volume of the opposite compound shape:

(Note: Lengths are not accurate.)



Answer:

.....

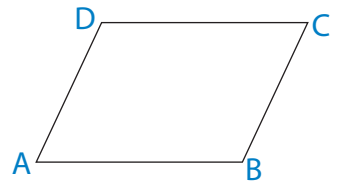
.....

- e Complete :

1 The corresponding figure is called a

2 $AB = \dots\dots\dots$, $\overline{AB} // \dots\dots\dots$

3 $AD = \dots\dots\dots$, $\overline{AD} // \dots\dots\dots$



Answer:

.....

.....

- f Which is greater in area?

A rectangle of width $3\frac{1}{2}$ m and length $5\frac{1}{3}$ m or a rectangle of length $4\frac{2}{3}$ m and width $4\frac{1}{2}$ m.

Answer:

.....

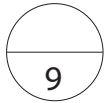
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- g Find the missing:

$$1\frac{1}{2} - m = \frac{2}{7}$$

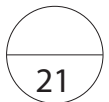
Answer:

.....



1 Choose the correct answer:

- a is the amount of liquid a container can hold.
(Area , Perimeter , Volume , Capacity)
- b The vertical number line in the coordinate plane is called the
(X-axis , Y-axis , origin , ordered pair)
- c A quadrilateral that has only one pair of parallel sides is a
(square , rectangle , trapezium , parallelogram)
- d $3\frac{1}{6} - 2\frac{1}{2} = \dots\dots\dots$. $(\frac{2}{3} , 5\frac{2}{6} , 1\frac{4}{6} , 1\frac{2}{6})$
- e $\frac{2}{3} \times \frac{1}{6} = \dots\dots\dots$. $(\frac{1}{6} , \frac{1}{18} , \frac{1}{9} , 9)$
- f The number of faces of the cube is
(5 , 6 , 8 , 12)
- g A triangle whose side lengths are 7 cm, 7 cm, and 7 cm is called a/an triangle.
(equilateral , scalene , isosceles , right)
- h The number of axes of symmetry of a circle is
(0 , 2 , 4 , an infinite number)
- i $\frac{23}{11} = \dots\dots\dots$. $(2\frac{1}{3} , 3\frac{2}{11} , 2\frac{1}{11} , 2\frac{3}{12})$



2 Answer each of the following:

- a Ahmed expected to do the homework in $\frac{4}{5}$ of an hour, but he completed it in $\frac{3}{4}$ of an hour. How much more or less time did Ahmed take than he expected?

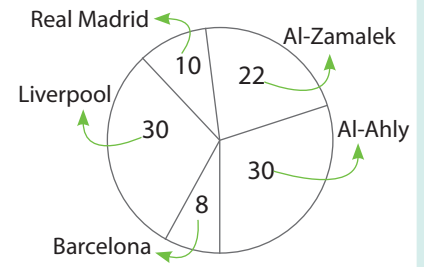
Answer:

.....

- b From the opposite pie chart:

- 1 How many students were surveyed?

- 2 What is the decimal which represents the number of students who liked Al-Ahly to all students?



Answer:

.....

.....

- c Which is greater in volume?

A rectangular prism with dimensions of 5 cm, 10 cm, and 4 cm or a rectangular prism with a base area of 60 cm^2 and a height of 7 cm.

Answer:

.....

- d Rania spends $\frac{3}{4}$ of her monthly salary on food, rent, utilities, and transportation. After these expenses, she is left with 1,250 pounds. What is Rania's monthly salary?

Answer:

.....

- e Nihal has 9 friends. She made 3 pies for her friends and she wants to divide these pies equally among them. What is the share of each of them?

Answer:

.....

- f Write the multiplication problem expressed in the opposite model, then find the product.



Answer:

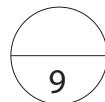
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- g Maged has a garden of length $5\frac{1}{3}$ meters and width $4\frac{1}{2}$ meters.

What is the area of Maged's garden?

Answer:

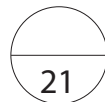
.....



1 Choose the correct answer:

- a $\frac{45}{60} = \dots\dots\dots$ $(\frac{5}{6}, \frac{3}{4}, \frac{18}{20}, \frac{10}{12})$
- b $\frac{5}{6} + \frac{7}{6} = \dots\dots\dots$ $(1\frac{5}{6}, 1\frac{11}{12}, 2, 2\frac{1}{6})$
- c The L.C.M of 8 and 6 is $\dots\dots\dots$ $(48, 18, 16, 24)$
- d $\frac{1}{2} \div 3 = \dots\dots\dots$ $(\frac{3}{2}, \frac{2}{3}, \frac{1}{6}, 6)$
- e Any triangle has at least $\dots\dots\dots$ acute angles. $(0, 1, 2, 3)$
- f The point $\dots\dots\dots$ lies on the X-axis. $[(5,0), (0,5), (1,5), (5,1)]$
- g A rectangular prism has a volume of 240 cm^3 , and its base area is 80 cm^2 ,
then its height is $\dots\dots\dots$ cm. $(4, 5, 6, 3)$
- h The number of edges of the cube is $\dots\dots\dots$ $(5, 6, 8, 12)$
- i The number of axes of symmetry of the rectangle is $\dots\dots\dots$ $(0, 1, 2, 3)$

2 Answer each of the following:



- a Maha has $\frac{1}{2}$ kg of flour. She used $\frac{2}{5}$ kg of it. What is the remaining amount with her?

Answer:

$$\text{The remaining amount with Maha} = \frac{1}{2} - \frac{2}{5} = \frac{5}{10} - \frac{4}{10} = \frac{1}{10} \text{ kg}$$

- b Ali ate $\frac{1}{4}$ of 24 candies. How many candies are left?

Answer:

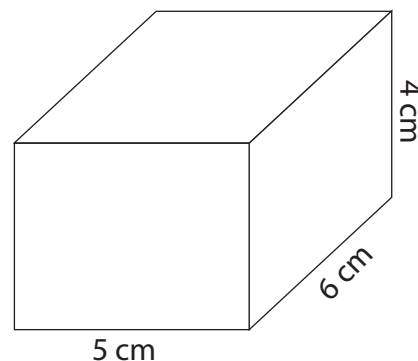
$$\text{Ali ate} = \frac{1}{4} \times 24 = 6 \text{ candies}$$

$$\text{The remaining candies} = 24 - 6 = 18 \text{ candies}$$

- c Find the volume of the opposite cuboid.

Answer:

$$\begin{aligned} \text{The volume} &= \text{length} \times \text{width} \times \text{height} \\ &= 6 \times 5 \times 4 = 120 \text{ cm}^3 \end{aligned}$$

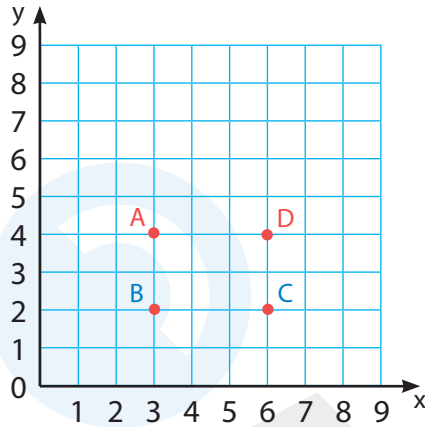


d Use the opposite coordinate plane to:

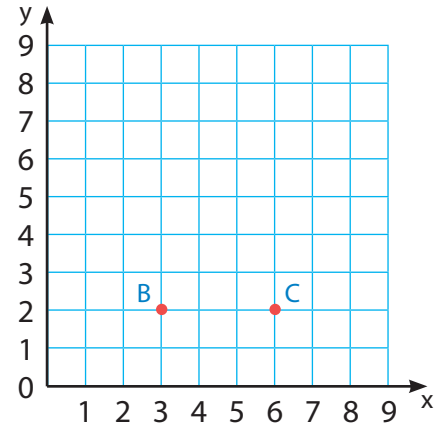
- 1 Plot the points A(3,4) , D(6,4)
- 2 Write the ordered pairs which represent the points B (..... ,) , C (..... ,)

Answer:

1



2 B (3,2) , C (6,2)



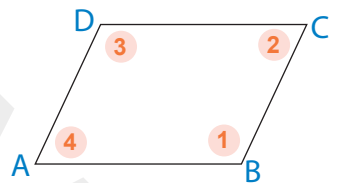
e How many thirds are there in 7?

Answer:

$$7 \div \frac{1}{3} = 7 \times 3 = 21 \text{ thirds}$$

f Complete:

- 1 The corresponding figure is called a
- 2 Angle (1) and (3) are angles.
- 3 Angle (2) and (4) are angles.



Answer:

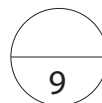
- 1 Parallelogram
- 2 obtuse
- 3 acute

g Soha is reading a chapter of a story. She can usually read $20\frac{1}{2}$ pages in 1 hour. If she plans to read for 1 hour and 15 minutes, **how many pages will she read?**

Answer:

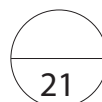
$$1 \text{ hour and } 15 \text{ minutes} = 1\frac{1}{4} \text{ hour}$$

$$\begin{aligned} \text{Total pages she read} &= 20\frac{1}{2} \times 1\frac{1}{4} \\ &= \frac{41}{2} \times \frac{5}{4} \\ &= \frac{205}{8} = 25\frac{5}{8} \text{ pages} \end{aligned}$$



1 Choose the correct answer:

- a $\frac{5}{3}$ is a/an
(proper fraction , **improper fraction** , mixed number , whole number)
- b $5 - 3\frac{1}{2} = \dots\dots\dots$.
(**$1\frac{1}{2}$** , 2 , $8\frac{1}{2}$, $2\frac{1}{2}$)
- c 2 hours and half = minutes
(**150** , 140 , 135 , 120)
- d $\frac{3}{4} \times \dots\dots\dots = \frac{3}{8}$
($\frac{1}{4}$, **$\frac{1}{2}$** , $1\frac{1}{2}$, $\frac{8}{3}$)
- e $\dots\dots\dots \div \frac{1}{5} = 15$
($\frac{1}{10}$, 10 , **3** , $\frac{1}{3}$)
- f A is a quadrilateral in which all of its sides are equal in length.
(**rhombus** , parallelogram , rectangle , trapezium)
- g A triangle whose side lengths are 5 cm, 7 cm, and 5 cm is called a/an triangle.
(equilateral , scalene , **isosceles** , otherwise)
- h A three-dimensional shape whose base is a circle is a
(**cone** , pyramid , cuboid , cube)
- i The fraction $\frac{3}{7}$ is closer to the benchmark fraction
(**$\frac{1}{2}$** , 1 , $1\frac{1}{2}$, 0)



2 Answer each of the following:

- a Karim walked $2\frac{1}{5}$ km and Sameh walked $1\frac{1}{3}$ km more than Karim.

What is the distance that Sameh walked?

Answer:

The distance that Sameh walked = $2\frac{1}{5} + 1\frac{1}{3} = 2\frac{3}{15} + 1\frac{5}{15} = 3\frac{8}{15}$ kilometers

- b There are 8 bags of fava beans, each bag has a mass of $\frac{3}{4}$ kilogram.

What is the total mass of the fava beans?

Answer:

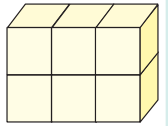
The total mass = $8 \times \frac{3}{4} = 6$ kg

- c How many fourths are there in 8?

Answer:

$8 \div \frac{1}{4} = 32$ fourths

d Observe the opposite cuboid, then complete: (each  represents 1 cm)



1 Length = cm

2 Width = cm

3 Height = cm

4 Volume = cm^3

Answer:

1 3 cm

2 1 cm

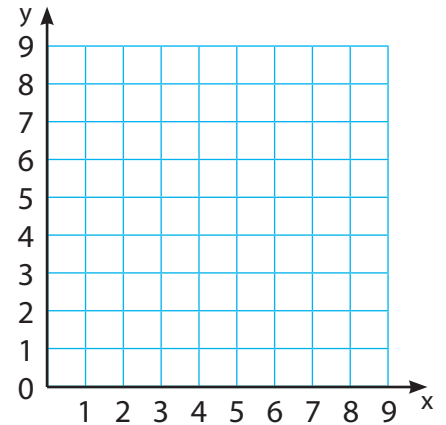
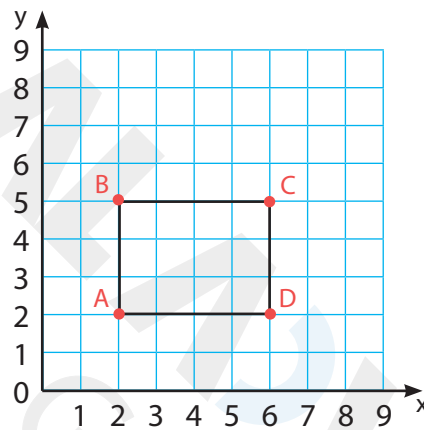
3 2 cm

4 6 cm^3

e In the opposite coordinate plane:

► Graph the figure ABCD where: A(2,2) , B(2,5) , C(6,5) , D(6, 2), then write the name of the figure ABCD.

Answer:

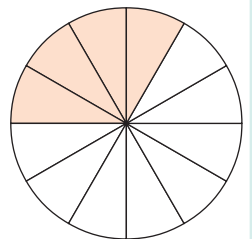
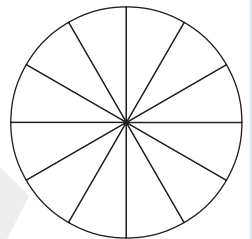


ABCD is a rectangle.

f In the opposite pie chart. Shade $\frac{1}{3}$ of the circle, then complete:

1 The number of the shaded parts is

2 The fraction that represents unshaded parts is



Answer:

1 4

2 $\frac{2}{3}$

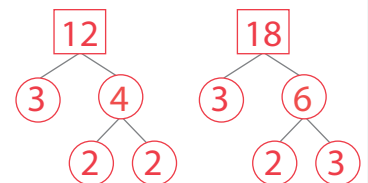
g Find the L.C.M of 12 and 18.

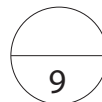
Answer:

$$12 = 2 \times 2 \times 3$$

$$18 = 2 \times 3 \times 3$$

$$\text{L.C.M} = 2 \times 2 \times 3 \times 3 = 36$$





1 Choose the correct answer:

- a $5\frac{1}{6} = \dots\dots\dots$ ($\frac{51}{6}$, $1\frac{5}{6}$, $\frac{12}{6}$, $\frac{31}{6}$)
- b The smallest like denominator for the fractions $\frac{1}{4}$ and $\frac{2}{3}$ is $\dots\dots\dots$. (12, 24, 36, 48)
- c $3\frac{1}{4} + \dots\dots\dots = 5\frac{1}{2}$ ($1\frac{1}{2}$, $2\frac{1}{2}$, $1\frac{1}{4}$, $2\frac{1}{4}$)
- d $1\frac{1}{4}$ years = $\dots\dots\dots$ months. (12, 16, 15, 18)
- e $\frac{8}{9} \times \frac{\dots}{6} = \frac{4}{9}$ (8, 1, 3, 4)
- f $\dots\dots\dots \div \frac{1}{4} = 16$ ($\frac{1}{4}$, 4, 2, 8)
- g A rhombus with 4 right angles is a $\dots\dots\dots$.
(rectangle, square, parallelogram, trapezium)
- h The right-angled triangle has one right angle and two $\dots\dots\dots$ angles.
(acute, right, obtuse, straight)
- i A $\dots\dots\dots$ is a three-dimensional shape that has two circular faces.
(cylinder, sphere, cone, circle)



2 Answer each of the following:

- a Hany studied math for $2\frac{1}{2}$ hours and science for 90 minutes.

How many hours did Hany study in all?

Answer:

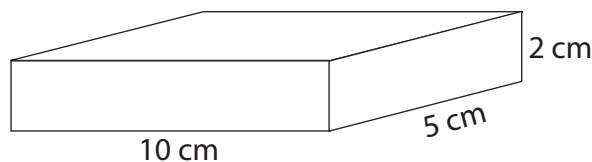
$$90 \text{ minutes} = 1\frac{1}{2} \text{ hours}$$

$$\text{Total hours that Hany studied} = 2\frac{1}{2} + 1\frac{1}{2} = 4 \text{ hours}$$

- b Find the volume of the opposite figure:

Answer:

$$\begin{aligned} \text{The volume} &= \text{Length} \times \text{Width} \times \text{Height} \\ &= 10 \times 2 \times 5 = 100 \text{ cm}^3 \end{aligned}$$



- c Omar owns a parking lot. The lot is 3 km long and $2\frac{1}{2}$ km wide.

What is the area of the parking lot?

Answer:

The area = length $\times$ width

$$= 3 \times 2\frac{1}{2} = 3 \times \frac{5}{2} = \frac{15}{2} = 7\frac{1}{2} \text{ km}^2$$

- d What is the measure of the central angle that represents the opposite colored sector?

Answer:

The colored part represents $\frac{3}{10}$ of the circle.

The measure of the central angle = $\frac{3}{10} \times 360^\circ = 108^\circ$

- e What is the type of the opposite triangle according to its angle measures and side lengths?

Answer:

According to the angles: Obtuse-angled triangle

According to the sides: Scalene triangle

- f Find the missing:

$$\frac{1}{5} \div a = \frac{1}{30}$$

Answer:

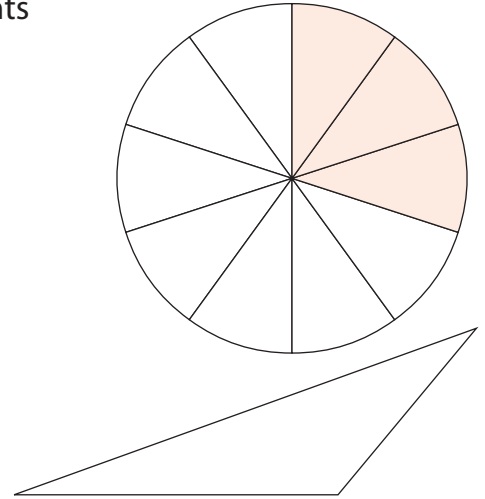
$$a = \frac{1}{5} \div \frac{1}{30} = \frac{1}{5} \times 30 = 6$$

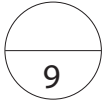
- g Find the result of:

$$3 - \frac{2}{3} - \frac{1}{5}$$

Answer:

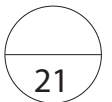
$$3 - \frac{2}{3} - \frac{1}{5} = 2\frac{15}{15} - \frac{10}{15} - \frac{3}{15} = 2\frac{5}{15} - \frac{3}{15} = 2\frac{2}{15}$$





1 Choose the correct answer:

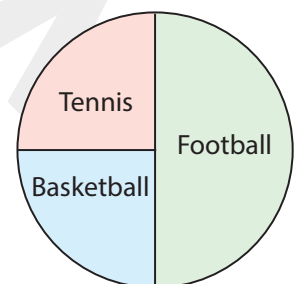
- a Each face of the cube is in the form of a (rectangle , **square** , triangle , circle)
- b Point is located on Y-axis. [(5,1) , (1,5) , **(0,5)** , (5,0)]
- c $2\frac{7}{4} = 3\frac{\quad}{\quad}$ ($\frac{19}{4}$, $\frac{15}{4}$, $\frac{11}{4}$, **$\frac{3}{4}$**)
- d $\frac{4}{15} \times \frac{5}{8} = \frac{1}{2} \times \dots\dots\dots$ ($\frac{2}{3}$, $\frac{3}{15}$, $\frac{2}{10}$, **$\frac{1}{3}$**)
- e $\frac{3}{5} + \frac{9}{10} = \dots\dots\dots + 1$ ($\frac{1}{10}$, **$\frac{1}{2}$** , $\frac{1}{5}$, $\frac{2}{5}$)
- f $\frac{40}{45} = \dots\dots\dots$ (in the simplest form) ($\frac{3}{8}$, **$\frac{8}{9}$** , $\frac{7}{8}$, $\frac{9}{8}$)
- g The length of a rectangle is 6 cm and its width is $2\frac{1}{4}$ cm, then its area is cm^2 . ($4\frac{1}{4}$, $8\frac{1}{4}$, $12\frac{1}{4}$, **$13\frac{1}{2}$**)
- h In the ordered pair (7,2) , the X -coordinate is (14 , 9 , **7** , 2)
- i $3 \div \dots\dots\dots = 6$ (**$\frac{1}{2}$** , $\frac{1}{3}$, $\frac{1}{6}$, 2)



2 Answer each of the following:

- a The following pie chart shows the favorite sport for 200 pupils, complete:

- 1 The most preferred sport is
- 2 The number of pupils who prefer tennis is pupils.



Answer:

- 1 **Football**
- 2 **50 pupils**

- b Find the value of the unknown:

$$\frac{3}{20} + b = \frac{2}{5}$$

Answer:

$$b = \frac{2}{5} - \frac{3}{20} = \frac{8}{20} - \frac{3}{20} = \frac{5}{20} = \frac{1}{4}$$

- c A teacher wants to give $\frac{1}{4}$ of a pack of pencils to each student if he has 4 packs. How many students will get pencils?

Answer:

$$\text{Number of students} = 4 \div \frac{1}{4} = 4 \times 4 = 16 \text{ students}$$

- d Calculate the volume of the opposite compound shape:

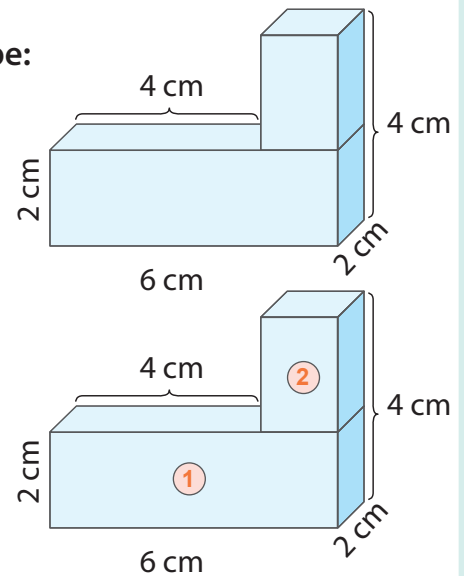
(Note: Lengths are not accurate.)

Answer:

► The volume of prism (1) = Length $\times$ Width $\times$ Height
 $= 6 \times 2 \times 2 = 24 \text{ cm}^3$

► The volume of prism (2) = Length $\times$ Width $\times$ Height
 $= 2 \times 2 \times 2 = 8 \text{ cm}^3$

► The total volume of the shape = $24 + 8 = 32 \text{ cm}^3$

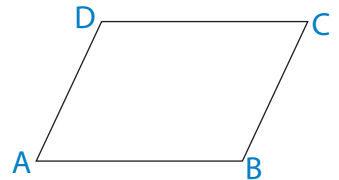


- e Complete :

1 The corresponding figure is called a

2 $AB = \dots\dots\dots$, $\overline{AB} \parallel \dots\dots\dots$

3 $AD = \dots\dots\dots$, $\overline{AD} \parallel \dots\dots\dots$



Answer:

1 Parallelogram

2 CD , $\overline{CD}$

3 BC , $\overline{BC}$

- f Which is greater in area?

A rectangle of width $3\frac{1}{2}$ m and length $5\frac{1}{3}$ m or a rectangle of length $4\frac{2}{3}$ m and width $4\frac{1}{2}$ m.

Answer:

$$\text{Area of the first rectangle} = 3\frac{1}{2} \times 5\frac{1}{3} = \frac{7}{2} \times \frac{16}{3} = 18\frac{2}{3} \text{ m}^2$$

$$\text{Area of the second rectangle} = 4\frac{2}{3} \times 4\frac{1}{2} = \frac{14}{3} \times \frac{9}{2} = 21 \text{ m}^2$$

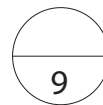
The second rectangle has a greater area.

- g Find the missing:

$$1\frac{1}{2} - m = \frac{2}{7}$$

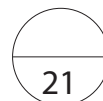
Answer:

$$m = 1\frac{1}{2} - \frac{2}{7} = 1\frac{7}{14} - \frac{4}{14} = 1\frac{3}{14}$$



1 Choose the correct answer:

- a is the amount of liquid a container can hold.
(Area , Perimeter , Volume , **Capacity**)
- b The vertical number line in the coordinate plane is called the
(X-axis , **Y-axis** , origin , ordered pair)
- c A quadrilateral that has only one pair of parallel sides is a
(square , rectangle , **trapezium** , parallelogram)
- d $3\frac{1}{6} - 2\frac{1}{2} = \dots\dots\dots$. ($\frac{2}{3}$, $5\frac{2}{6}$, $1\frac{4}{6}$, $1\frac{2}{6}$)
- e $\frac{2}{3} \times \frac{1}{6} = \dots\dots\dots$. ($\frac{1}{6}$, $\frac{1}{18}$, $\frac{1}{9}$, 9)
- f The number of faces of the cube is (5 , **6** , 8 , 12)
- g A triangle whose side lengths are 7 cm, 7 cm, and 7 cm is called a/an triangle.
(**equilateral** , scalene , isosceles , right)
- h The number of axes of symmetry of a circle is (0 , 2 , 4 , **an infinite number**)
- i $\frac{23}{11} = \dots\dots\dots$ ($2\frac{1}{3}$, $3\frac{2}{11}$, **$2\frac{1}{11}$** , $2\frac{3}{12}$)



2 Answer each of the following:

- a Ahmed expected to do the homework in $\frac{4}{5}$ of an hour, but he completed it in $\frac{3}{4}$ of an hour. **How much more or less time did Ahmed take than he expected?**

Answer:

The difference in time = $\frac{4}{5} - \frac{3}{4} = \frac{16}{20} - \frac{15}{20} = \frac{1}{20}$ of an hour

- b From the opposite pie chart:

- 1 How many students were surveyed?

- 2 What is the decimal which represents the number of students who liked Al-Ahly to all students?

Answer:

$$1 \text{ Number of students} = 10 + 30 + 8 + 30 + 22 \\ = 100 \text{ students}$$

$$2 \frac{30}{100} = \frac{3}{10} = 0.3$$

- c Which is greater in volume?

A rectangular prism with dimensions of 5 cm, 10 cm, and 4 cm or a rectangular prism with a base area of 60 cm^2 and a height of 7 cm.

Answer:

$$\text{The volume of the first prism} = \text{Length} \times \text{Width} \times \text{Height} \\ = 10 \times 5 \times 4 = 200 \text{ cm}^3$$

$$\text{The volume of the second prism} = \text{base area} \times \text{height} \\ = 60 \times 7 = 420 \text{ cm}^3$$

The volume of the second prism is greater.

- d Rania spends $\frac{3}{4}$ of her monthly salary on food, rent, utilities, and transportation. After these expenses, she is left with 1,250 pounds. What is Rania's monthly salary?

Answer:

$$\frac{1}{4} \text{ of her monthly salary} = 1,250 \text{ pounds}$$

$$\text{Rania's monthly salary} = 1,250 \times 4 = 5,000 \text{ pounds}$$

- e Nihal has 9 friends. She made 3 pies for her friends and she wants to divide these pies equally among them. What is the share of each of them?

Answer:

$$\text{The share of each of them} = 3 \div 9 = \frac{1}{3} \text{ of the pie}$$

- f Write the multiplication problem expressed in the opposite model, then find the product.



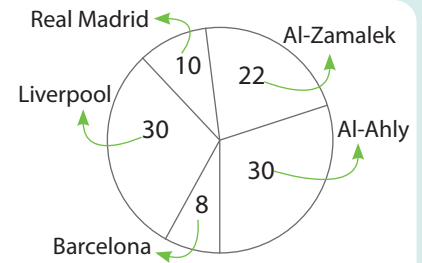
Answer:

$$\text{The product} = \frac{2}{3} \times \frac{3}{5} = \frac{6}{15} = \frac{2}{5}$$

- g Maged has a garden of length $5\frac{1}{3}$ meters and width $4\frac{1}{2}$ meters. What is the area of Maged's garden?

Answer:

$$\text{The area of the garden} = 5\frac{1}{3} \times 4\frac{1}{2} = \frac{16}{3} \times \frac{9}{2} = 24 \text{ m}^2$$



حمل الآن

مجاناً وحصرياً

امتحانات رقم (3)

الترم الثاني



Model

1

Q1: Choose the correct answer:

1 $\frac{1}{2}$ hours = minute (60 or 30 or 20 or 10)

2 $\frac{1}{2} \times 6 =$ (6 or $\frac{1}{2}$ or 3 or $\frac{1}{3}$)

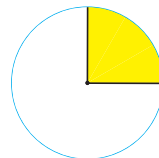
3 The area of rectangle = $\times$ W. (L or W or H or base area)

4 $9\frac{1}{3} - 7\frac{1}{4} =$ ($\frac{3}{4}$ or $\frac{1}{12}$ or $1\frac{2}{7}$ or $2\frac{1}{12}$)

5 The volume of a cuboid of dimensions of 10m, 3m, 3m, is m^3 . (90 or 12 or 10 or 30)

6 The origin point = ((0, 1) or (0, 0) or (0, 2) or (1, 2))

7 The measure of the central angle which represents the shaded part is (30° or 60° or 90° or 80°)



8 The measure of an obtuse angle is 90° (< or > or = or otherwise)

9 The triangle whose sides length are is an isosceles triangle. (7cm, 7cm, 7cm or 5cm, 5cm, 7cm or 8cm, 6cm, 9cm or 4cm, 5cm, 3cm)

Q2: Answer the following questions:

1 Find: $3\frac{3}{7} - 1\frac{2}{7} =$

2 Mona took $2\frac{1}{3}$ hours to paint a table, and $1\frac{2}{3}$ hours to paint a chair.

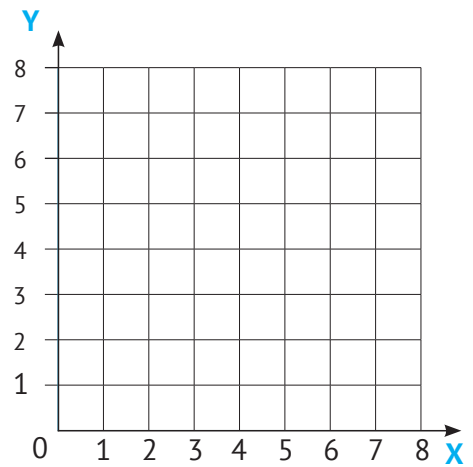
How much time did she take in all?

3 Find the area of a rectangle of the length $\frac{1}{7}$ cm and width $\frac{1}{5}$ cm.

4 In the opposite coordinate plane:

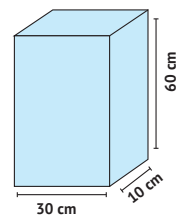
Graph the figure ABCD where

A (2 , 2) , B (2 , 6) , C (5 , 6) , D (5 , 2).



5 Find the volume of the opposite cuboid:

$V = \dots \times \dots \times \dots = \dots$



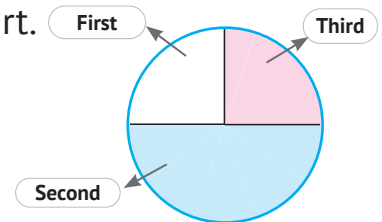
6 If the price of a book is $1\frac{1}{2}$ LE, find the price of 8 books.

.....

.....

7 Complete the table using the opposite pie chart.

First 1 st	.....	Third 3 rd
.....	$\frac{1}{2}$	.....



Model

2

Q1: Choose the correct answer:

① $5\frac{1}{3} = \dots\dots\dots$ (as improper fraction) (12 or $\frac{4}{13}$ or $\frac{16}{3}$ or $\frac{1}{2}$)

② $\frac{3}{5} \times \dots\dots\dots = 1$ ($\frac{5}{3}$ or $1\frac{3}{5}$ or $\frac{8}{5}$ or $\frac{3}{5}$)

③ The point is located on x-axis. ((4 , 5) or (5 , 4) or (4 , 0) or (0 , 4))

④ $2\frac{1}{5} \times \frac{15}{11} = \dots\dots\dots$. ($\frac{1}{5}$ or $\frac{1}{2}$ or 3 or 2)

⑤ The smallest common denominator of the fractions $\frac{2}{3}$ and $\frac{4}{5}$
(27 or 15 or 5 or 3)

⑥ The area of a rectangle whose dimensions are 4cm , $2\frac{1}{2}$ cm
is cm². (20 or 6 or 5 or 10)

⑦ The triangle with 3-acute angles is called angled triangle.
(right or obtuse or scalene or acute)

⑧ The volume of cuboid= base area ×
(length or width or height or perimeter)

⑨ If the side lengths of the triangle are different, then this triangle is called
a/an triangle. (equilateral or scalene or isosceles or trapezium)

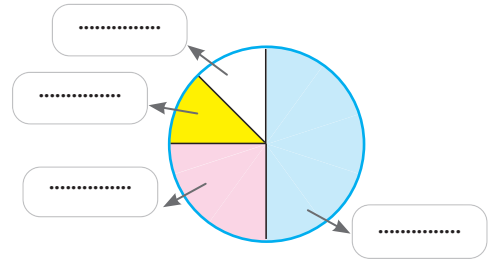
Q2: Answer the following questions:

① Sara has a piece of cloth of a length of 6 meters. She divided it into a number of small pieces, each of length $\frac{1}{4}$ meter. **How many** pieces of cloth did she get?

.....
.....

- 2 The following table shows the rate of the score students in school:

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$



Write the suitable fraction on each sector on the opposite figure.

3 $5\frac{1}{7} + 3\frac{1}{2} = \dots\dots\dots$

4 $10\frac{1}{2} \div 3\frac{1}{2} = \dots\dots\dots \div \dots\dots\dots = \dots\dots\dots = \dots\dots\dots$

- 5 Rania bought $\frac{11}{15}$ kg of flour, and used $\frac{3}{5}$ kg of it. How many kg is remaining of flour?

.....

.....

- 6 If the price of each book is $10\frac{1}{2}$ LE, find the price of 8 books.

.....

.....

- 7 Graph the figure ABCD where
A (2 , 8), B (3 , 4) , C (8 , 4) , D (7 , 8)

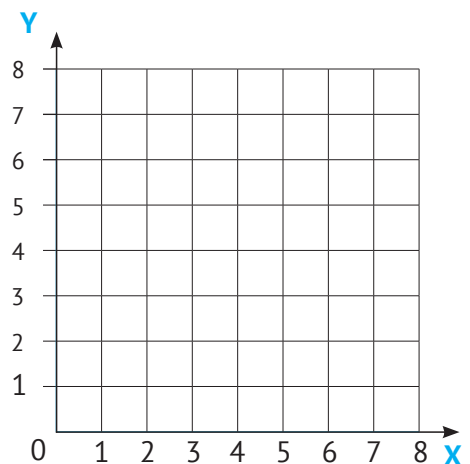
What is the name of the figure ABCD?

.....

.....

.....

.....



Model

3

Q1: Choose the correct answer:

1 The LCM of the denominators of $\frac{7}{12}$ and $\frac{5}{18}$ is

(6 or 18 or 36 or 12)

2 The x-coordinate in the ordered pair (5 , 2) is (5 or 2 or 10 or $\frac{2}{5}$)

3 Any triangle has at least acute angle(s). (1 or 2 or 3 or 4)

4 $\frac{24}{28}$ is equivalent to ($\frac{6}{7}$ or $\frac{3}{4}$ or $\frac{4}{7}$ or $1\frac{1}{6}$)

5 The has only one pair of parallel sides.

(parallelogram or rhombus or trapezium or square)

6 The triangle whose measures of its angles are 40° , 50° , and 90° is called -angled triangle.

(a right or an acute or an obtuse or a straight)

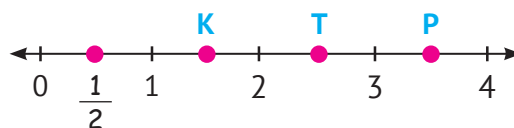
7 If $\frac{3}{17} + b = \frac{6}{17}$, then $b =$ ($\frac{3}{17}$ or $\frac{1}{2}$ or $1\frac{1}{2}$ or 1)

8 A cuboid has 4 horizontal layers and 6 cube units in each layer, then its volume = cube units. (18 or 10 or 24 or 12)

9 From the opposite number line:

The distance between P and K

is units.



(2 or 3 or $2\frac{1}{2}$ or 2)

Q2: Answer the following questions:

- ① If the volume of a cuboid = 160cm^3 and the area of the base is 20cm^2 .
Find the height of that cuboid.

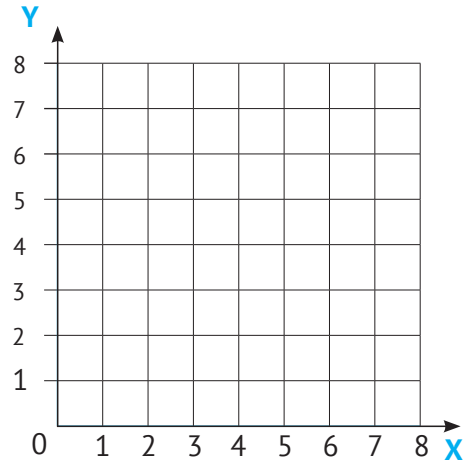
.....
.....

- ② Plot the points on the coordinate grid

A (2 , 2), B (2 , 5) , C (5 , 5) , D (5 , 2)

Connect points in order, then
write the name of the polygon.

.....
.....



- ③ Marwan took $2\frac{1}{3}$ hours to paint a chair and $1\frac{1}{4}$ hours to paint a table.
How much time did she take in all?

.....
.....

- ④ What is the area of the rectangle of dimensions $5\frac{1}{3}$ m and $2\frac{1}{4}$ m?

.....
.....

- ⑤ If $\frac{1}{9} \div n = 2$, then find the value of n.

.....

- ⑥ Adel bought $2\frac{1}{3}$ kilograms of oranges, and $3\frac{1}{4}$ kilograms of bananas,
How many kilograms did he buy?

.....

- ⑦ A window in the shape of a rectangle, its length $1\frac{1}{2}$ m and width $1\frac{1}{4}$ m, then its area =

.....

Model

4

Q1: Choose the correct answer:

1 $4\frac{1}{4} - 3\frac{1}{2} = \dots\dots\dots$

(1 ☐ $\frac{3}{4}$ 3 ☐ $\frac{3}{4}$ ☐ $\frac{1}{4}$ $1\frac{1}{4}$)

2 $\frac{1}{2} \div 5 = \dots\dots\dots$

(5 $\frac{1}{2}$ ☐ $\frac{2}{5}$ ☐ $\frac{1}{10}$ ☐ $\frac{2}{5}$)

3 $\frac{2}{5} \times \frac{5}{7} = \dots\dots\dots$

($\frac{1}{2}$ ☐ $\frac{5}{7}$ ☐ $\frac{2}{7}$ ☐ $\frac{2}{5}$)

4 The same denominator of $\frac{1}{3}$ and $\frac{1}{8}$ is $\dots\dots\dots$. (12 ☐ 16 ☐ 30 ☐ 24)

5 The triangle whose side lengths are 5 cm , 5cm , and 6cm is $\dots\dots\dots$

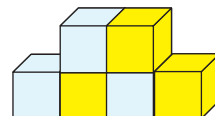
triangle. (an equilateral ☐ an isosceles ☐ a scalene ☐ a right)

6 $1\frac{1}{5} \times 4 = \dots\dots\dots$.

(4 $\frac{1}{5}$ ☐ $1\frac{4}{5}$ ☐ $4\frac{4}{5}$ ☐ $5\frac{1}{4}$)

7 The volume of the opposite figure

= $\dots\dots\dots$ cubic units (4 ☐ 5 ☐ 7 ☐ 6)



8 The point (3 , 0) lies on $\dots\dots\dots$ -axis.

(x ☐ y ☐ l ☐ m)

9 The solid which has 0 edges, 0 vertices, and 0 faces is a $\dots\dots\dots$.

(cube ☐ cuboid ☐ sphere ☐ cone)

Q2: Answer the following questions:

1 Omar ate $\frac{1}{3}$ of the pie, and Ahmed ate $\frac{2}{5}$ of the same pie. What is the total of what Ahmed and Omar ate?

.....

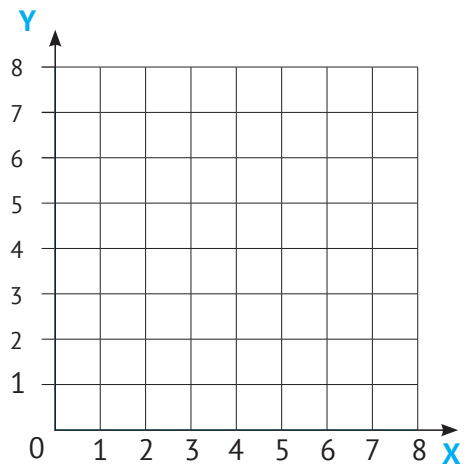
2 Plot the points on the X Y plane:

A (1 , 1), B (1 , 4) , C (5 , 1)

Then join these points, the name of the resulted shape is

its type is

because $m(\angle \dots) = 90^\circ$

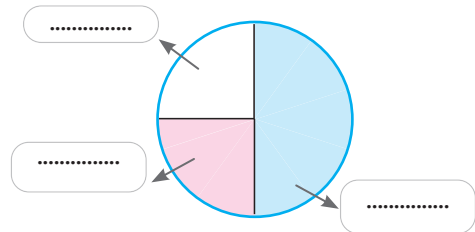


3 Find the area of a rectangle of length $\frac{1}{6}$ m and width 3 m.

.....

4 Complete the pie chart using the following table:

Primary 1	Primary 2	Primary 3
$\frac{1}{4}$	$\frac{1}{4}$	.....



5 If the price of each book is $10\frac{1}{2}$ pounds, find the price of 6 books.

.....

6 A cuboid whose volume is $4,000 \text{ cm}^3$ and base area is 800 cm^2 . Find the height of this cube.

.....

7 Seif studied math for $1\frac{1}{2}$ hours and science for 30 minutes. How many hours did Seif study in all?

.....

Model

5

Q1: Choose the correct answer:

1 $\frac{3}{4} - \frac{3}{5} = \dots\dots\dots$

($\frac{7}{20}$ or $\frac{3}{20}$ or $\frac{3}{4}$ or $\frac{3}{5}$)

2 $\frac{1}{4} \div 3 = \dots\dots\dots$

($\frac{3}{4}$ or $\frac{4}{3}$ or $\frac{1}{12}$ or 12)

3 The area of a rectangle= $\dots\dots\dots$.

($L \times W$ or $L + W$ or $L \div W$ or $L - W$)

4 $\frac{3}{5} \times \frac{5}{3} = \dots\dots\dots$

(1 or 8 or 11 or 15)

5 $\frac{3}{5} + \frac{2}{5} = \dots\dots\dots$

($\frac{5}{10}$ or 1 or $\frac{6}{25}$ or $\frac{5}{25}$)

6 The $\dots\dots\dots$ has 2 circular base.

(cone or pyramid or cylinder or cube)

7 In $\triangle ABC$, $m(\angle A) = 50^\circ$, $m(\angle B) = 90^\circ$, $m(\angle C) = 40^\circ$ then the triangle is called $\dots\dots\dots$ -angled triangle.

(acute or right or obtuse or otherwise)

8 The triangle whose side lengths are 3cm, 4cm, 5cm is called a $\dots\dots\dots$.

(scalene or isosceles or equilateral or otherwise)

9 The volume of a cuboid of dimensions of 2cm, 3cm, and 10 cm= $\dots\dots\dots$ cm^3 .

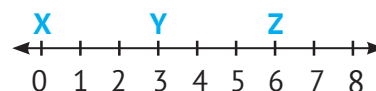
(20 or 15 or 60 or 90)

Q2: Answer the following questions:

1 From the opposite number line. Find:

A $XY = \dots\dots\dots$ length unit(s).

B $YZ = \dots\dots\dots$ length unit(s).



2 In the opposite coordinate plane:

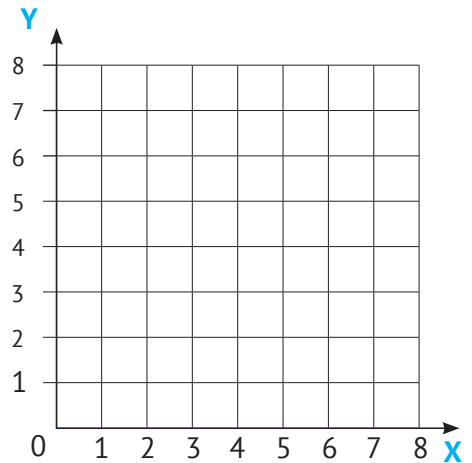
A Graph the figure ABCD where
A (2 , 6), B (2 , 2), C (5 , 2), D (5 , 6).

B What is the length of $\overline{AD}$?

.....

.....

.....



3 Ayman bought $2\frac{3}{8}$ kilograms of apples and $3\frac{1}{4}$ kilograms of bananas,
Find the total weight of kilograms of apples and bananas.

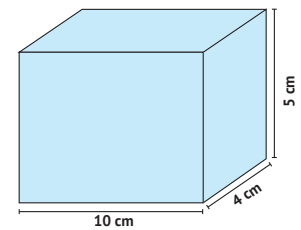
.....

.....

4 Find the volume of the opposite cuboid.

.....

.....



5 Marwan studied math for $2\frac{1}{2}$ hours and science for 90 minutes. How
many hours did Marwan study in all?

.....

.....

6 Write the multiplication problem expressed
in the opposite model, then find the product:

..... X =



7 Two boxes of equal volume, the first box has dimensions of 8cm, 6cm
and 3 cm, and the other box has a base area of 16cm^2 .
Find the height of the other box.

.....

.....

Model

6

Q1: Choose the correct answer:

1 $\frac{3}{4} - \frac{3}{5} = \dots\dots\dots$. $(\frac{3}{20} \text{ or } \frac{4}{20} \text{ or } \frac{5}{20} \text{ or } \frac{6}{20})$

2 If $m(\angle X) = 90^\circ$, $m(\angle Y) = 40^\circ$, $m(\angle Z) = 50^\circ$ then the triangle is
 triangle. (an acute or right or obtuse or otherwise)

3 $\frac{1}{3}$ hours = minutes. (10 or 20 or 30 or 60)

4 $\frac{3}{5} \times \dots\dots\dots = 1$ $(\frac{5}{3} \text{ or } 1 \frac{3}{5} \text{ or } \frac{8}{5} \text{ or } \frac{3}{5})$

5 The area of a rectangle whose dimensions are 4cm, $2\frac{1}{2}$ cm is
 cm^2 . (10 or 5 or 6 or 20)

6 The LCM of the denominators of $\frac{7}{12}$ and $\frac{5}{18}$ is
 (12 or 36 or 18 or 6)

7 The measure of the central angle of the circular sector that
 represents $\frac{1}{2}$ the Circle $(90^\circ \text{ or } 180^\circ \text{ or } 120^\circ \text{ or } 60^\circ)$

8 The simplest form of $\frac{12}{18}$ is $(\frac{2}{3} \text{ or } \frac{4}{5} \text{ or } \frac{1}{2} \text{ or } \frac{1}{4})$

9 A parallelogram that has four equal sides is
 (rectangle or rhombus or square or kite)

Q2: Answer the following questions:

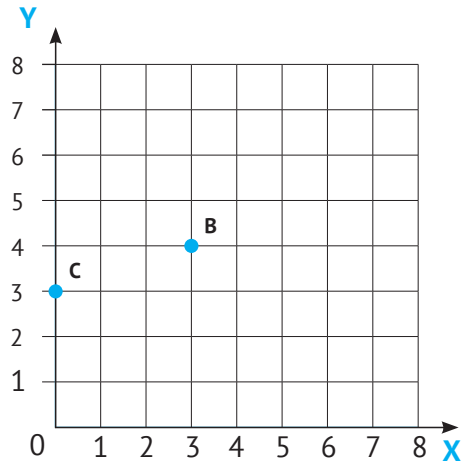
1 Find three equivalent fractions for $\frac{2}{7}$.

2 $4\frac{2}{3} + 2\frac{3}{4} = \dots\dots\dots$

- 3 Find the quotient: $6 \div \frac{1}{3} =$

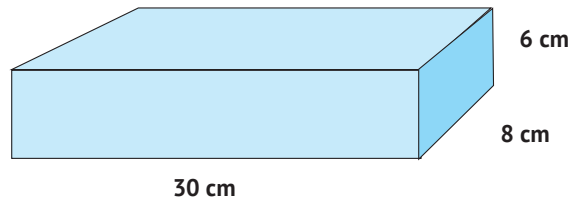
- 4 A triangle with side lengths of 5cm, 3cm, and 4cm is called a triangle (according to its side lengths).

- 5 In the given figure, the coordinates of point B are (.....,).

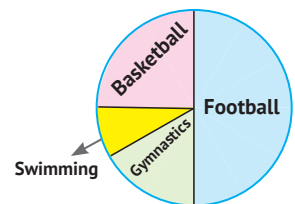


- 6 Write the equation that can be used to find the volume V , then find Volume of the opposite cuboid.

$V =$



- 7 The following pie chart shows the favorite game of a number of pupils. Which game do most pupils prefer?

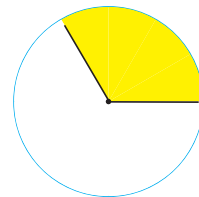


Model

7

Q1: Choose the correct answer:

- 1 In the opposite figure: Select the circular degrees that match the fraction of the circle that is shaded
.....
(30° or 60° or 90° or 120°)



- 2 $25 \times \frac{3}{5} =$
($\frac{3}{5}$ or 4 or 15 or 25)

- 3 $4 \times \frac{1}{5}$ $4 \times \frac{1}{6}$
($>$ or $<$ or $=$ or otherwise)

- 4 $2 \frac{2}{3} =$ (by regrouping)
($1 \frac{3}{5}$ or $1 \frac{5}{3}$ or $1 \frac{5}{4}$ or $\frac{5}{4}$)

- 5 The origin point is
((0 , 0) or (1 , 1) or (0 , 1) or (1 , 0))

- 6 $2 \frac{1}{4}$ hours = Minutes
(75 or 125 or 135 or 245)

- 7 If $1 \frac{3}{5} + A = 1 \frac{4}{5}$, then $A =$
($\frac{3}{9}$ or $\frac{7}{10}$ or $\frac{1}{5}$ or $\frac{4}{5}$)

- 8 A quadrilateral has 4 equal side and angles are not right, is
(rhombus or rectangle or square or trapezium)

- 9 The fraction $2 \frac{1}{5}$ in improper form is
($\frac{11}{5}$ or $\frac{20}{5}$ or $\frac{11}{10}$ or $\frac{16}{10}$)

Q2: Answer the following questions:

- 1 Find the value of the numerical expression by rewriting the fractions using a common denominator: $\frac{11}{12} - \frac{2}{8} =$
.....
.....

- 2 Rewrite the mixed number in two different ways: $5 \frac{1}{7}$.
.....
.....

- 3 Write a division problem that represents the following situation and find the result in its simplest form: Five cartons of notebooks are shared between two bookstores.

.....

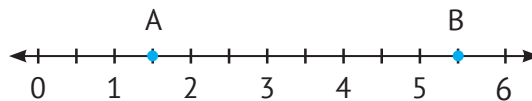
.....

- 4 The following shape is called

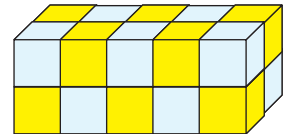


- 5 A triangle with side lengths of 7 cm, 7 cm, and 3 cm is called a triangle (according to the lengths of its sides).

- 6 On the number line shown, the distance from point B to point A = units.



- 7 Volume of the opposite cuboid = cm^3

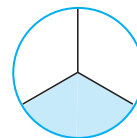


Model

8

Q1: Choose the correct answer:

- 1 The circular degree represents the fraction of the circle that is shaded= (90° or 120° or 60° or 180°)



- 2 The fraction $\frac{12}{20}$ in simplest form is

($\frac{3}{5}$ or $\frac{5}{4}$ or $\frac{3}{4}$ or $\frac{4}{3}$)

- 3 The rectangle is a polygon that has right angle(s).

(1 or 2 or 3 or 4)

- 4 Any triangle has at least acute angle(s).

(1 or 2 or 3 or 4)

- 5 $\frac{1}{4} \div 4 =$

($\frac{4}{4}$ or $\frac{5}{4}$ or $\frac{1}{16}$ or 16)

- 6 The x-coordinate of the point (6, 4) is

(12 or 5 or 6 or 9)

- 7 $\frac{3}{5} \times$ = 1

($\frac{5}{3}$ or $\frac{5}{8}$ or $\frac{8}{5}$ or $\frac{3}{5}$)

- 8 The simplest form of $\frac{36}{48}$ is

($\frac{1}{2}$ or $\frac{3}{4}$ or $\frac{4}{8}$ or 1)

- 9 $1 \frac{1}{2}$ years= months.

(10 or 11 or 13 or 18)

Q2: Answer the following questions:

- 1 $\frac{1}{3} + \frac{3}{5} =$

.....

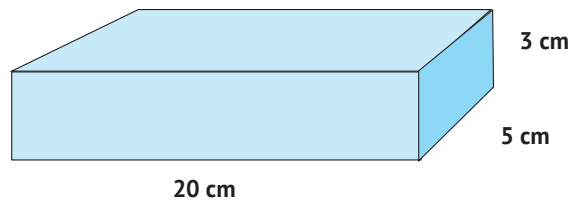
.....

- 2 $9 \frac{6}{10} - c = 4 \frac{9}{20}$ then $c =$

- 3 A quadrilateral with only one pair of parallel sides is called

- 4 Simplify the result if possible: $\frac{3}{5} \times \frac{2}{9} =$

- 5 Volume of the opposite
cuboid=



- 6 Find: $3 - 2\frac{1}{7} = \dots\dots\dots$.

- 7 In a field, $\frac{4}{9}$ of the chamomile crop is used to make soap. The remaining part is used for making perfumes. Find the fraction of the crop used for making perfumes.

.....

.....

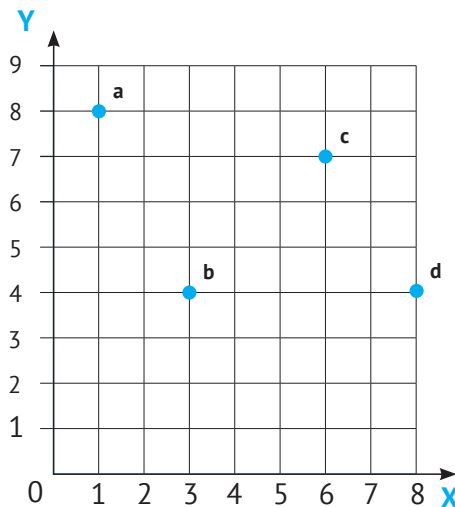
Model

9

Q1: Choose the correct answer:

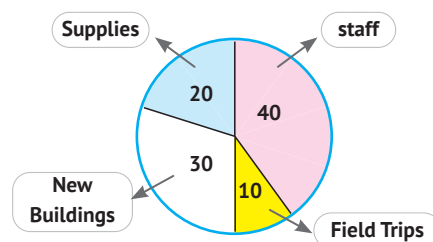
- 1 The point representing the ordered pair (8, 4) is point

(a or b or c or d)



- 2 The number of citizens surveyed is

(100 or 50 or 25 or 5)



- 3 The volume of the cuboid $V = L \times W \times$

(h or L or W or V)

- 4 The has 4 right angles.

(trapezium or parallelogram or square or rhombus)

- 5 $\frac{1}{9} \div 2 =$

($\frac{1}{2}$ or $\frac{1}{18}$ or 18 or 2)

- 6 $\frac{2}{3} \times 1 \frac{1}{2} =$

($\frac{1}{3}$ or 1 or 6 or 2)

- 7 The number of acute angles in the obtuse-angle triangle is

(zero or 1 or 2 or 3)

- 8 The LCM of denominator of $\frac{1}{9}, \frac{5}{6} =$

(3 or 4 or 18 or 12)

- 9 The area of a rectangle whose dimensions are $\frac{3}{4}$ m, $\frac{4}{5}$ m

$=$ m^2 .

($\frac{3}{4}$ or $\frac{1}{4}$ or $\frac{1}{5}$ or $\frac{3}{5}$)

Q2: Answer the following questions:

1 Find the difference: $6 \frac{1}{3} - 3 \frac{4}{5} =$

.....

.....

2 Find the unknown value in the simplest form: $m - 2 \frac{5}{8} = 7 \frac{3}{8}$

.....

.....

3 On Thursday, Sara walked $\frac{5}{8}$ kilometers. How much distance is left for her to walk a total of 1 kilometer?

.....

.....

4 Draw a rectangle with dimensions of 3 units by 2 units, then calculate its area.

.....

.....

.....

.....

5 Wael collected $4 \frac{1}{4}$ kg of dates and gave $2 \frac{3}{5}$ kg to his friend. How many kilograms does he have left?

.....

.....

6 An angle measuring 80° is called angle.

7 Find: $\frac{1}{6} + \frac{5}{8} =$

Model

10

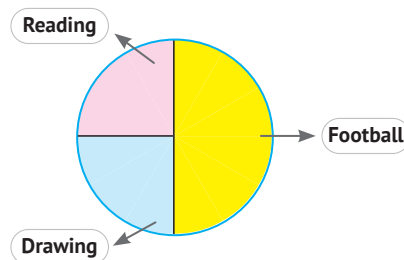
Q1: Choose the correct answer:

1 triangle has 3 different sides.

(Scalene ☐ Isosceles ☐ Equilateral ☐ Otherwise)

2 The fraction which represents the sector of the football is

($\frac{1}{4}$ ☐ $\frac{1}{2}$ ☐ $\frac{2}{9}$ ☐ $\frac{1}{5}$)



3 The angle with a measure of 120° , its type is angle.

(right ☐ obtuse ☐ acute ☐ straight)

4 The fraction $3\frac{2}{5} =$ (As an improper fraction.)

($\frac{21}{5}$ ☐ $\frac{11}{5}$ ☐ $\frac{14}{10}$ ☐ $\frac{17}{5}$)

5 $3 \times \frac{2}{5} =$

($1\frac{1}{2}$ ☐ 1 ☐ $\frac{6}{15}$ ☐ $1\frac{1}{5}$)

6 x-axis in the ordered pair (10, 7) is

(3 ☐ 7 ☐ 10 ☐ 4)

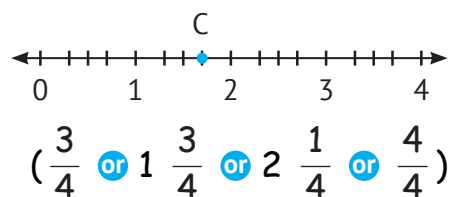
7 $4 \div \frac{1}{2} = 4 \times$

(1 ☐ 2 ☐ 3 ☐ 4)

8 + =

(1 ☐ $\frac{7}{8}$ ☐ $\frac{9}{8}$ ☐ $1\frac{1}{2}$)

9 By using the following number line, the value of point C is



Q2: Answer the following questions:

1 $9\frac{3}{4} - 8\frac{3}{5} =$

2 $1 \frac{1}{8} + 3 \frac{3}{8} = \dots\dots\dots$

3 $g - 1 \frac{3}{4} = 7 \frac{3}{12}$ then $g = \dots\dots\dots$

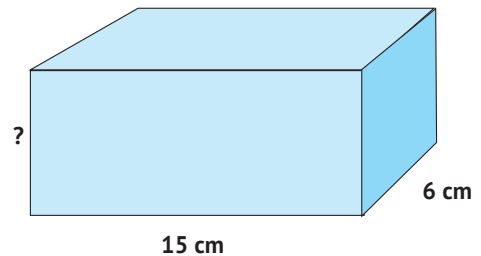
4 Youssef bought $5 \frac{1}{3}$ kg of mangoes and $3 \frac{1}{4}$ kg of apples. What is the total weight of the fruits he bought?

.....

.....

5 A triangle with two acute angles and one angle measuring 90° is called a triangle. (According to the measures of its angles.)

6 If the volume of the adjacent rectangular prism is 630 m^3 , find the unknown dimension:



7 Find three equivalent fractions for $\frac{2}{7}$?

.....

.....

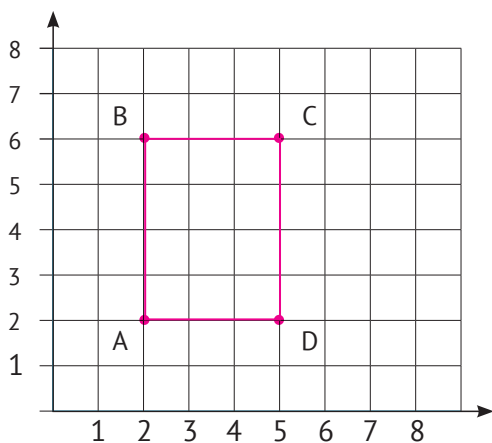
Model 1

First

- 1 30
- 2 3
- 3 L
- 4 $2\frac{1}{12}$
- 5 90
- 6 (0, 0)
- 7 90°
- 8 >
- 9 5cm, 5cm, 7cm

Second

- 1 $2\frac{1}{7}$
- 2 The time = $2\frac{1}{3} + 1\frac{2}{3} = 3\frac{3}{3} = 4$ hours.
- 3 Area = $L \times W = \frac{1}{7} \times \frac{1}{5} = \frac{1}{35} \text{ cm}^2$.
- 4



- 5 $30 \times 10 \times 60 = 18,000 \text{ cm}^3$.
- 6 The price = $1\frac{1}{2} \times 8 = 12 \text{ LE}$.
- 7

First 1 st	second 2 nd	Third 3 rd
$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$

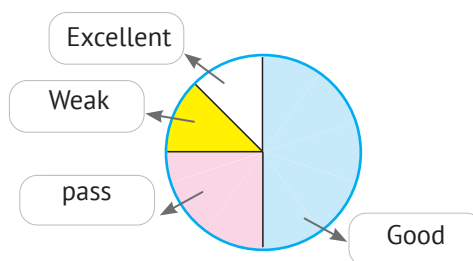
Model 2

First

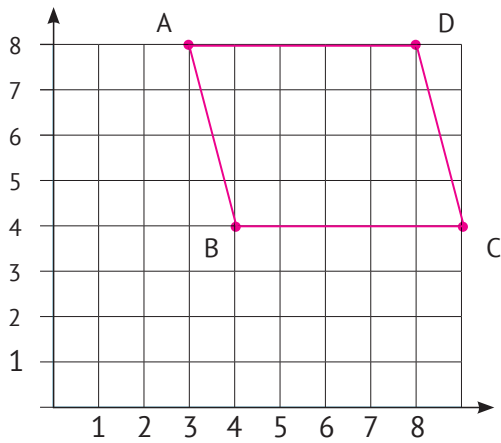
- 1 $\frac{16}{3}$
- 2 $\frac{5}{3}$
- 3 (4, 0)
- 4 3
- 5 15
- 6 10
- 7 Acute
- 8 Height.
- 9 Scalene.

Second

- 1 The number of pieces = $6 \div \frac{1}{4} = 6 \times 4 = 24$ pieces.
- 2



- 3 $5\frac{2}{14} + 3\frac{7}{14} = 8\frac{9}{14}$
- 4 $\frac{21}{2} \div \frac{7}{2} = \frac{21}{2} \times \frac{2}{7} = 3$
- 5 The remaining of flour = $\frac{11}{15} - \frac{3}{5} = \frac{11}{15} - \frac{9}{15} = \frac{2}{15} \text{ kg}$
- 6 The price of books = $10\frac{1}{2} \times 8 = \frac{21}{2} \times 8 = 84 \text{ L.E}$
- 7 Parallelogram.



Model 3

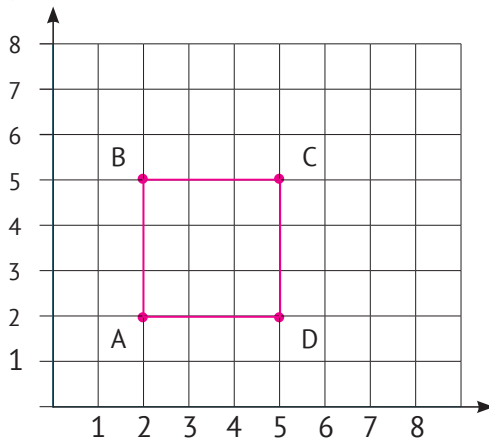
First

- 1 36
- 2 5
- 3 2
- 4 $\frac{6}{7}$
- 5 trapezium
- 6 a right
- 7 $\frac{3}{17}$
- 8 24
- 9 2

Second

1 The height = Volume $\div$ area of base = $160 \div 20$ = 8cm.

2 Square.



3 The time = $2 \frac{1}{3} + 1 \frac{1}{4} = 2 \frac{4}{12} + 1 \frac{3}{12}$ = $3 \frac{7}{12}$ hours.

4 Area = $5 \frac{1}{3} \times 2 \frac{1}{4} = \frac{16}{3} \times \frac{9}{4} = 12 \text{ m}^2$.

5 $n = \frac{1}{9} \div 2 = \frac{1}{9} \times \frac{1}{2} = \frac{1}{18}$

6 The number of kg = $2 \frac{1}{3} + 3 \frac{1}{4} = 2 \frac{4}{12} + 3 \frac{3}{12} = 5 \frac{7}{12} \text{ kg}$

7 $1 \frac{1}{2} \times 1 \frac{1}{4} = \frac{3}{2} \times \frac{5}{4} = \frac{15}{8} = 1 \frac{7}{8} \text{ m}$

Model 4

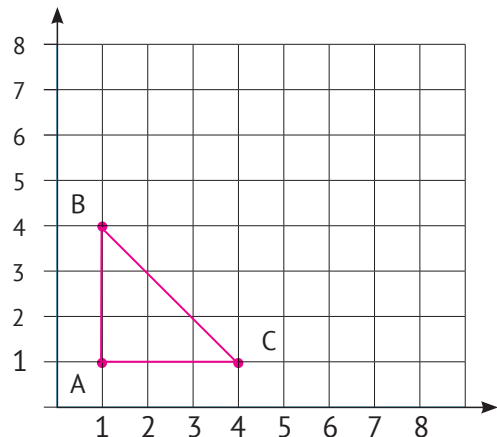
First

- 1 $\frac{3}{4}$
- 2 $\frac{1}{10}$
- 3 $\frac{2}{7}$
- 4 24
- 5 An isosceles
- 6 $4 \frac{4}{5}$
- 7 6
- 8 x
- 9 Sphere

Second

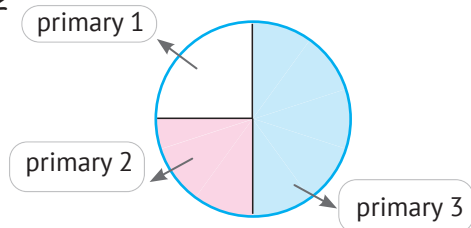
1 The total = $\frac{1}{3} + \frac{2}{5} = \frac{5}{15} + \frac{6}{15} = \frac{11}{15}$ of pie

2 A triangle, right triangle, BAC.



3 $A = L \times W = \frac{1}{6} \times 3 = \frac{1}{2} \text{ m}^2$.

4 $\frac{1}{2}$



5 The price of books = $10 \frac{1}{2} \times 6 = \frac{21}{2} \times 6$

= 63 pounds.

6 The height = $4,000 \div 800 = 5\text{cm}$.

7 30 minutes = $\frac{1}{2}$ hours

Sief studied = $1\frac{1}{2} + \frac{1}{2} = 2$ hours.

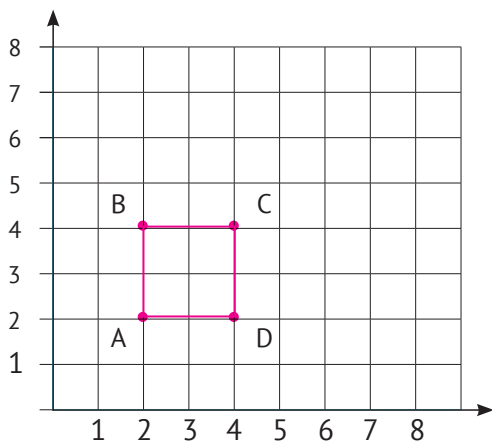
Model 5

First

- | | | |
|------------------|------------------|----------------|
| 1 $\frac{3}{20}$ | 2 $\frac{1}{12}$ | 3 $L \times W$ |
| 4 1 | 5 1 | 6 cylinder |
| 7 right | 8 scalene | 9 60 |

Second

- 1 (A) 3 (B) 3
- 2 (A)



(B) 2 unit length.

3 The total weight = $2\frac{3}{8} + 3\frac{1}{4} = 2\frac{3}{8} + 3\frac{2}{8}$
 $= 5\frac{5}{8}$ kg

4 $V = L \times W \times H = 10 \times 4 \times 5 = 200 \text{ cm}^3$.

5 90 minutes = $1\frac{1}{2}$ hours

Marwan studied = $2\frac{1}{2} + 1\frac{1}{2} = 3\frac{2}{2}$
 $= 4$ hours

6 $\frac{3}{5} \times \frac{2}{3} = \frac{2}{5}$

7 Volume of the first box,

$$V = 8 \times 6 \times 3 = 144 \text{ cm}^3$$

Height of the second box

$$H = 144 \div 16 = 9 \text{ cm}$$

Model 6

First

- | | | |
|------------------|-----------------|-----------|
| 1 $\frac{3}{20}$ | 2 right | 3 20 |
| 4 | 5 20 | 6 36 |
| 7 180° | 8 $\frac{2}{3}$ | 9 rhombus |

Second

1 $= \frac{4}{14} = \frac{10}{35} = \frac{6}{21}$

2 $6\frac{17}{12} = 7\frac{5}{12}$

3 $6 \times 3 = 18$

4

5 (3, 4)

6 $30 \times 8 \times 6 = 1440 \text{ cm}^3$

7 football

Model 7

First

- | | | |
|------------------|-----------|------------------|
| 1 120° | 2 15 | 3 > |
| 4 $1\frac{5}{3}$ | 5 (0, 0) | 6 135 |
| 7 $\frac{1}{5}$ | 8 rhombus | 9 $\frac{11}{5}$ |

Second

1 $\frac{22}{24} - \frac{6}{24} = \frac{16}{24} = \frac{2}{3}$

2 $4\frac{8}{7} = 3\frac{15}{7}$

3 $5 \div 2 = 5 \times \frac{1}{2} = \frac{5}{2} = 2 \frac{1}{2}$

4 Ray 5 Isoscales

6 4 7 $5 \times 2 \times 2 = 20 \text{ cm}^3$

Model 8

First

1 120° 2 $\frac{3}{5}$ 3 4

4 2 5 $\frac{1}{16}$ 6

7 $\frac{5}{3}$ 8 $\frac{3}{4}$ 9 18

Second

1 $\frac{5}{15} + \frac{9}{15} = \frac{24}{15} = 1 \frac{9}{15}$

2 $9 \frac{6}{10} - 4 \frac{9}{20} = 5 \frac{3}{20}$

3 Trapezium 4 $\frac{2}{15}$

5 $20 \times 5 \times 3 = \text{cm}^3$

6 $2 \frac{7}{7} - 2 \frac{1}{7} = \frac{6}{7}$

7 $1 - \frac{4}{9} = \frac{5}{9}$ for perfumes

Model 9

First

1 d 2 100 3 h

4 square 5 $\frac{1}{18}$ 6 1

7 2 8 18 9 $\frac{3}{5}$

Second

1 $6 \frac{1}{3} - 3 \frac{4}{5} = 6 \frac{5}{15} - 3 \frac{12}{15} = 5 \frac{12}{15} - 3 \frac{12}{15}$
 $= 2 \frac{8}{15}$

2 $m = 7 \frac{3}{8} + 2 \frac{5}{8} = 9 \frac{8}{8} = 10$

3 $1 - \frac{5}{8} = \frac{3}{8} \text{ km}$

4 Area = $3 \times 2 = 6 \text{ sq. unit}$

5 $4 \frac{1}{4} - 2 \frac{3}{5} = 4 \frac{5}{20} - 2 \frac{12}{20} = 3 \frac{25}{20} - 2 \frac{12}{20}$
 $= 1 \frac{13}{20}$

6 acute

7 $\frac{4}{24} + \frac{15}{24} = \frac{19}{24}$

Model 10

First

1 Scalene 2 $\frac{1}{2}$ 3 obtuse

4 $\frac{17}{5}$ 5 $1 \frac{1}{5}$ 6 10

7 2 8 $1 \frac{1}{2}$ 9

Second

1 $9 \frac{15}{20} - 8 \frac{12}{20} = 1 \frac{3}{20}$

2 $4 \frac{4}{8} = 4 \frac{1}{2}$

3 $7 \frac{3}{12} + 1 \frac{3}{4} = 8 \frac{12}{12} = 9$

4 $5 \frac{1}{3} + 3 \frac{1}{4} = 8 \frac{7}{12} \text{ kg}$

5 right

6 area of base = $15 \times 6 = 90 \text{ m}^2$

height = $\frac{360}{90} = 4 \text{ m}$

7 $\frac{2}{7} = \frac{4}{14} = \frac{6}{21} = \frac{10}{35}$

حمل الآن

مجانا وحصريا

امتحانات رقم (4)

الترم الثاني



Mathematics

Exam

1

First Question 1 Choose the correct answer:

(1) The least common denominator of $\frac{5}{6}$ and $\frac{7}{12}$ is



- (a) 1 (b) 12 (c) 60 (d) 6

(2) The sum of $\frac{1}{4} + \frac{1}{3}$ is



- (a) $\frac{1}{7}$ (b) $\frac{7}{12}$ (c) $\frac{2}{7}$ (d) $\frac{2}{12}$

(3) The equivalent fractions of $\frac{6}{24}$ and $\frac{27}{36}$ are



- (a) $\frac{1}{4}, \frac{3}{4}$ (b) $\frac{1}{4}, \frac{3}{5}$ (c) $\frac{1}{3}, \frac{3}{4}$ (d) $\frac{1}{2}, \frac{3}{4}$

(4) The shape  represents



- (a) ray (b) line segment (c) polygon (d) straight line

(5) $3 \times \frac{3}{5}$  $5 \times \frac{3}{5}$

- (a) > (b) < (c) = (d) otherwise

(6) A unit fraction is a fraction whose numerator is

- (a) 1 (b) 2 (c) 0 (d) 3

(7) The polygon which has 4 sides is called a

- (a) triangle (b) quadrilateral (c) pentagon (d) hexagon

(8) The triangle has 3 different sides.

- (a) scalene (b) equilateral (c) isosceles (d) otherwise

(9) Area of a rectangle =

- (a) $L + W$ (b) $\frac{L}{W}$ (c) $L \times W$ (d) $(L + W) \times 2$

Second Question 2 Answer the following:

(1) **Evaluate:**

(a) $1\frac{1}{8} + 2\frac{1}{4} = \dots\dots\dots$

(c) $1 - \frac{2}{3} = \dots\dots\dots$

(b) $2\frac{2}{5} \times \frac{2}{3} = \dots\dots\dots$

(d) $\frac{1}{4} \div 3 = \dots\dots\dots$

(2) **On the opposite number line:**

The length of $\overline{AB} = \dots\dots\dots$ units.



(3) Amira bought 3 kg of bananas, $2\frac{3}{8}$ kg of apples and $4\frac{1}{4}$ kg of strawberries.
How much fruits did she buy altogether? $\dots\dots\dots$

(4) A triangle with only two equal sides and one angle measures 90° .



Classify the triangle according to its sides and its angles $\dots\dots\dots$

(5) The area of the shown rectangle = $\dots\dots\dots$ cm^2 .

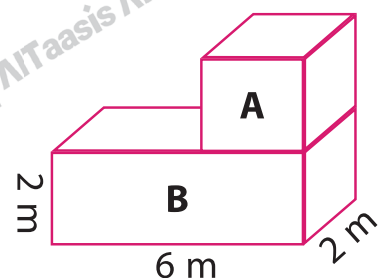


(6) In the opposite compound shape:



Find the length of the edge of the cube (A) and find its volume,
then find the total volume of the compound shape:

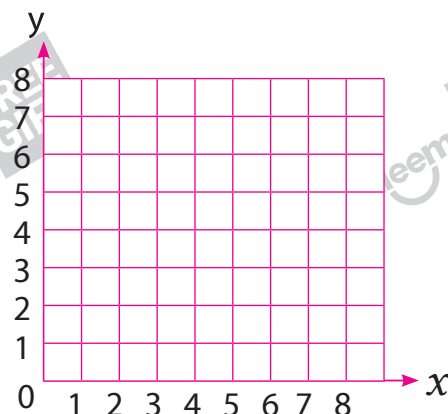
The volume = $\dots\dots\dots$



(7) On the coordinate plane,
plot the following points:

$(4, 0)$, $(0, 3)$, $(5, 6)$

$\dots\dots\dots$



Mathematics

Exam

2

First Question 1 Choose the correct answer:

(1) Which of the following has no lines of symmetry?

- (a) rhombus (b) square (c) rectangle (d) parallelogram

(2) A is a circle divided into sectors.

- (a) bar graph (b) pie chart (c) pictograph (d) line plot

(3) $3 \div \frac{1}{5} = \dots\dots\dots$

- (a) $\frac{1}{5}$ (b) $\frac{1}{15}$ (c) 15 (d) $\frac{3}{5}$

(4) $2 \frac{1}{3}$ hours = minutes.

- (a) 140 (b) 60 (c) 80 (d) 120

(5) $\frac{10}{3} = 3 \frac{\dots\dots\dots}{3}$

- (a) 9 (b) 10 (c) 1 (d) 3

(6) $\frac{2}{3} \times \frac{1}{5} = \dots\dots\dots$

- (a) $\frac{2}{15}$ (b) $\frac{3}{8}$ (c) $\frac{2}{7}$ (d) 1

(7) The LCM of the denominators of $\frac{1}{5}$ and $\frac{3}{10}$ is

- (a) 1 (b) 2 (c) 3 (d) 10

(8) $\frac{1}{7} \times \dots\dots\dots = 3$

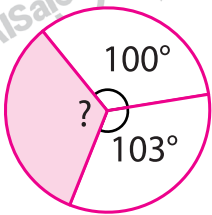
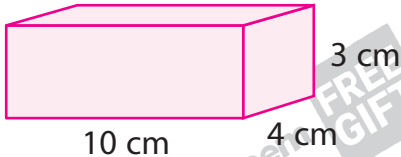
- (a) 35 (b) 28 (c) 21 (d) 14

(9) The base of the cylinder is in the shape of

- (a) square (b) circle (c) rectangle (d) triangle

Second Question 2 Answer the following:

- (1) Reham bought $3\frac{5}{9}$ kilograms of flour to make a cake. She used $1\frac{2}{9}$ kilograms. How many kilograms are left?
-
- (2) Find the value of B in the following equations:
- (a) $\frac{1}{9} \times B = \frac{1}{45}$ (b) $8 \div B = 24$
- (3) Find the volume of the opposite cuboid:
The volume =
- (4) Amr owns a fruit garden in the shape of a rectangle of length 2 m and width is $1\frac{1}{2}$ m. What is the area of the garden?
Area =
- (5) Find the following in the simplest form:
- (a) $3\frac{1}{3} \times 5\frac{1}{2} =$ (b) $2 \div 5 =$
- (6) In the opposite figure, the measure of the central angle of the colored circular sector equals°
- (7) Complete the following table, then answer the questions below:
- | | | | | | | |
|----------|---|---|-------|-------|-------|-------|
| x values | 3 | 6 | ..... | 12 | ..... | 18 |
| y values | 5 | 7 | 9 | ..... | 13 | ..... |
- (a) By how much do x values and y values increase?
x values increase by, y values increase by
- (b) If the value of x = 21, then the value of y =
and the ordered pair is



Mathematics

Exam 3

First Question 1 Choose the correct answer:

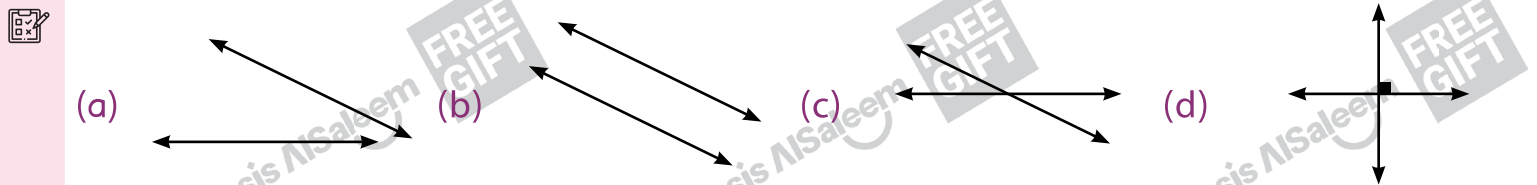
(1) Which of the following points is located on the x-axis?

- (a) (0, 6) (b) (4, 6) (c) (6, 0) (d) (6, 6)

(2) The equivalent fraction of $\frac{16}{20}$ is

- (a) $\frac{3}{10}$ (b) $\frac{12}{20}$ (c) $\frac{4}{5}$ (d) $\frac{3}{5}$

(3) Which of the following represents perpendicular lines?



(4) The mixed number of $\frac{21}{5}$ is

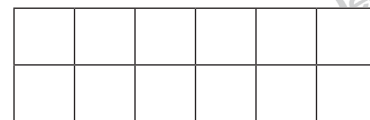
- (a) $4\frac{1}{5}$ (b) $5\frac{1}{5}$ (c) $1\frac{1}{5}$ (d) $20\frac{1}{5}$

(5) If $\frac{1}{3} \times \dots = \frac{1}{18}$

- (a) 5 (b) 6 (c) $\frac{1}{5}$ (d) $\frac{1}{6}$

(6) The area of the opposite rectangle = units.

- (a) 6 (b) 12 (c) 14 (d) 16



(7) $7\frac{1}{2} = \dots$ (as an improper fraction)

- (a) $\frac{15}{2}$ (b) $\frac{7}{2}$ (c) $\frac{9}{2}$ (d) $\frac{10}{2}$

(8) It is impossible to draw a triangle with two angles.

- (a) acute (b) right (c) obtuse (d) both b and c

(9) $5\frac{1}{2} \times \frac{3}{4} = (5 \times \frac{3}{4}) + (\dots \times \dots)$

- (a) $5 \times \frac{1}{2}$ (b) $\frac{1}{2} \times \frac{3}{4}$ (c) $3 \times \frac{1}{4}$ (d) $4 \times \frac{1}{3}$

Second Question 2 Answer the following:

(1) Find the result:



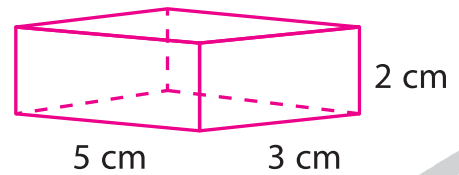
(a) $4 \div \frac{1}{3} = \dots\dots\dots$

(b) $2\frac{2}{5} + 1\frac{3}{15} = \dots\dots\dots$

(2) Find the area of a square with a side length of 7 cm.

.....

(3) Find the volume of the opposite cuboid.



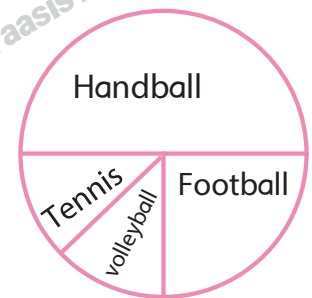
.....

(4) In the opposite pie chart:

(a) The fraction representing football is

(b) The fraction representing handball is

(c) The fraction representing tennis is



(5) Sara has $\frac{2}{3}$ kg of lemons. She used $\frac{1}{9}$ kg as juice.
How many kilograms of lemon are left?

.....

(6) If the price of a book is $2\frac{1}{3}$ L.E. Find the total price of 12 books.

.....

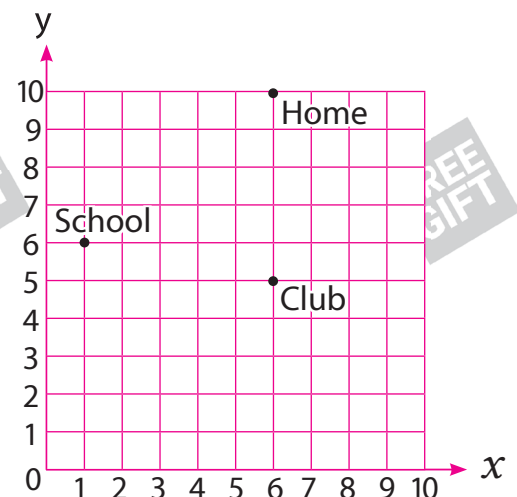
(7) In the opposite coordinate plane:

Start from the origin point (0, 0)

Move 6 units to the right (horizontally) on the x-axis,
then move 10 units up (vertically)

Locate the building at this point.

Answer:



Mathematics

Exam

4

First Question

1

Choose the correct answer:

(1) $\frac{1}{3} \div 2 = \dots\dots\dots$

(a) $\frac{1}{2}$

(b) $\frac{1}{6}$

(c) $\frac{2}{3}$

(d) $\frac{3}{2}$

(2) An equivalent fraction of $\frac{10}{30}$ is $\dots\dots\dots$

(a) $\frac{1}{3}$

(b) $\frac{2}{3}$

(c) $\frac{1}{5}$

(d) $\frac{3}{10}$

(3) The solid that has 8 vertices, 12 edges and 6 square faces is $\dots\dots\dots$

(a) pyramid

(b) cuboid

(c) sphere

(d) cube

(4) The angle whose measure is greater than 0° and less than 90° is $\dots\dots\dots$ angle

(a) right

(b) acute

(c) obtuse

(d) straight

(5) The square meter is a unit used to measure the $\dots\dots\dots$

(a) length

(b) width

(c) volume

(d) area

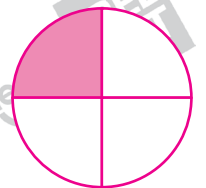
(6) The fraction that represents the shaded part is $\dots\dots\dots$

(a) $\frac{1}{4}$

(b) $\frac{1}{5}$

(c) $\frac{1}{6}$

(d) $\frac{1}{8}$



(7) The difference of : $1 - \frac{2}{6} - \frac{3}{6} = \dots\dots\dots$



(a) $\frac{1}{6}$

(b) $\frac{2}{6}$

(c) $\frac{3}{6}$

(d) $\frac{4}{6}$

(8) A triangle with side lengths 6 cm, 4 cm and 6 cm is called $\dots\dots\dots$

(a) obtuse

(b) isosceles

(c) scalene

(d) equilateral

(9) $\frac{2}{7} \times \frac{5}{\dots\dots\dots} = \frac{10}{49}$

(a) 2

(b) 5

(c) 7

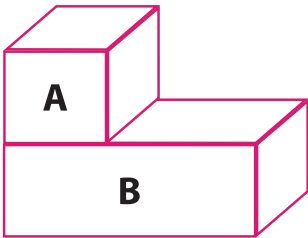
(d) 14

Second Question 2 Answer the following:

(1) Find the value of the point B on the following number line.



(2) If the total volume of the compound shape shown = 400 m^3 , and the volume of cuboid (B) = 260 m^3 , find the volume of cuboid (A).



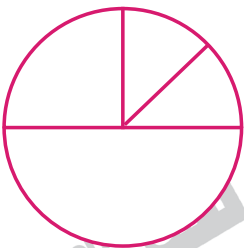
Volume of cuboid (A) =

(3) Find the area of a rectangle with dimensions $2\frac{1}{3}\text{ cm}$ and $1\frac{1}{2}\text{ cm}$.

.....

(4) The following table shows the results of a math exam in a primary school of 100 students.

Rate	Excellent	Good	Pass	Weak
Fractions	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$



Represent these data in the opposite pie chart.

.....

(5) Find the result: (a) $\frac{6}{10} - \frac{1}{5} = \dots\dots\dots$ (b) $5 \div \frac{1}{2} = \dots\dots\dots$

(6) How many edges does a cylinder have?



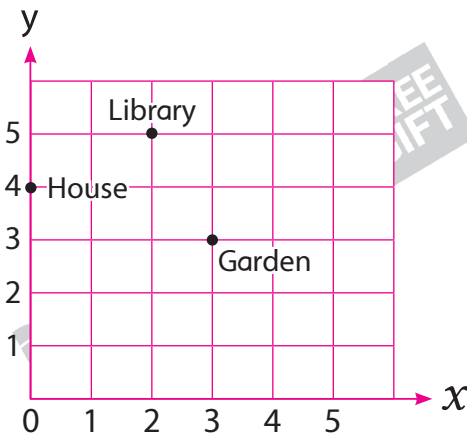
.....

(7) In the given figure, the coordinates of the following points:

House

Library

Garden



Mathematics

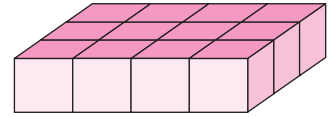
Exam 5

First Question 1 Choose the correct answer:

(1) A central angle of 270° represents of the circle.

- (a) a quarter (b) a fifth (c) a half (d) three fourths

(2) The volume of the opposite shape is cubic units.



- (a) 4 (b) 6 (c) 8 (d) 12

(3) The sum of $3 + \frac{1}{5} + \frac{2}{5} =$

- (a) $\frac{6}{5}$ (b) $\frac{3}{5}$ (c) $3\frac{2}{5}$ (d) $3\frac{3}{5}$

(4) Number of faces of a rectangular prism box without a top face is faces.

- (a) 4 (b) 5 (c) 6 (d) 8

(5) Find the result : $\frac{2}{3} \times \frac{5}{5} =$

- (a) $\frac{10}{8}$ (b) $\frac{7}{15}$ (c) $\frac{10}{15}$ (d) $\frac{5}{15}$

(6) In the ordered pair (2,0) the y-coordinate is

- (a) 1 (b) 2 (c) 0 (d) 3

(7) 90 minutes = hours.

- (a) $1\frac{1}{3}$ (b) $1\frac{1}{2}$ (c) 2 (d) $2\frac{1}{2}$

(8) If $6 \div n = 24$, then $n =$

- (a) 4 (b) $\frac{1}{4}$ (c) $\frac{1}{2}$ (d) $\frac{1}{3}$

(9) The difference of : $\frac{1}{3} - \frac{1}{6} =$

- (a) $\frac{0}{4}$ (b) $\frac{4}{6}$ (c) $\frac{1}{6}$ (d) $\frac{4}{24}$

Second Question 2 Answer the following:

(1) Find the value of C in $\frac{23}{4} = C \frac{3}{4}$

.....

(2) Calculate the area of a rectangle whose length is 5m and whose width is $1 \frac{1}{5}$ m

.....

(3) Find the result: (a) $\frac{1}{2} \div \frac{1}{6} =$ (b) $\frac{2}{3} \times 1.5 =$

(c) $\frac{5}{6} + \frac{1}{12} =$ (d) $3 \frac{2}{3} - 1 \frac{3}{5} =$

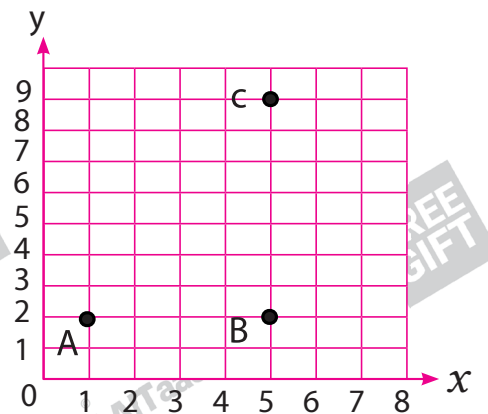
(4) If the volume of the cuboid is 72 cm^3 and its width is 3 cm and its height is 4 cm.
Find the length of the cuboid.

.....

(5) From the given coordinate plane, answer the following:

(a) The coordinate of point C is

(b) Connect the points A, B, C, then determine the type of triangle ABC according to its angles



(6) Use the number line to answer the questions:



(a) What is the value of A?

(b) How far is point C from point B?

(7) Rahma bought $2 \frac{1}{3}$ meters of cloth, if the price of one meter is $5 \frac{1}{2}$ pounds, what is the total amount Rahma paid?

Total amount =

Mathematics

Exam 6

First Question 1 Choose the correct answer:

(1) $1 \frac{1}{4} \times \frac{2}{5} = \dots\dots\dots$

(a) $\frac{1}{4}$

(b) $\frac{1}{2}$

(c) $\frac{2}{5}$

(d) $\frac{3}{9}$

(2) The origin point is

(a) (1,4)

(b) (1,2)

(c) (0,1)

(d) (0,0)

(3) The triangle whose angles are 50° , 60° and is an acute triangle.

(a) 150°

(b) 160°

(c) 70°

(d) 100°

(4) The least common denominator (LCD) of $\frac{2}{3}$ and $\frac{3}{5}$ is

(a) 8

(b) 7

(c) 10

(d) 15

(5) The cube has faces.

(a) 6

(b) 8

(c) 12

(d) 5

(6) A cuboid has 3 horizontal layers and 5 cubes in each layer. Its volume is cubic units.

(a) 24

(b) 8

(c) 15

(d) 16

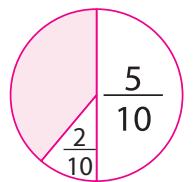
(7) The fraction that represents the shaded part of the figure is

(a) $\frac{1}{5}$

(b) $\frac{1}{4}$

(c) $\frac{1}{10}$

(d) $\frac{3}{10}$



(8) The quadrilateral that has 4 lines of symmetry is the

(a) square

(b) rhombus

(c) rectangle

(d) parallelogram

(9) $\frac{2}{3} \times \frac{\dots\dots\dots}{5} = \frac{2}{3}$

(a) 2

(b) 3

(c) 5

(d) 7

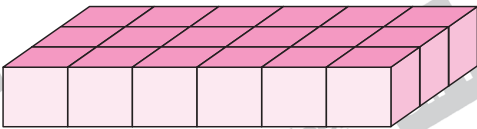
Second Question 2 Answer the following:

(1) Observe the opposite shape, then complete:

Number of horizontal layers =

Number of cubes in each horizontal layer = cubes

Volume = cubic units.



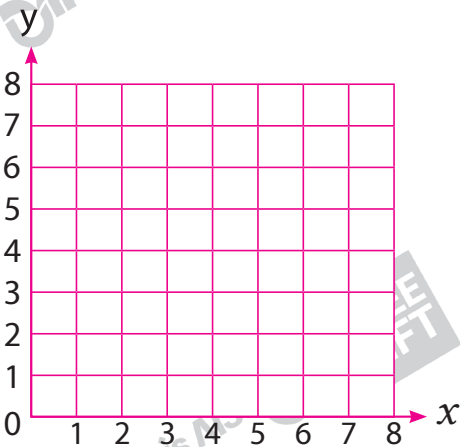
(2) Plot the points on the coordinate plane

A (2, 4) B (6, 4)

D (2, 8) C (6, 8)

(a) The length of $\overline{AB}$ = units.

(b) Connect the points and name the resulting shape



(3) How many thirds are in the number 7?

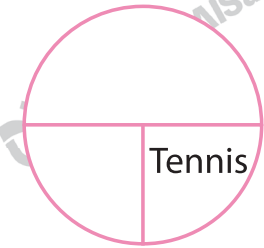
.....

(4) Use the distributive property to find the product. Write the answer in the simplest form:

 $2 \frac{2}{5} \times \frac{2}{3} = \dots\dots\dots$

(5) Complete the pie chart using the following data:

Tennis	Football	Basketball
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$



(6) **Evaluate:** $1 \frac{1}{6} + 2 \frac{1}{3} = \dots\dots\dots$

(7) Talia bought $2 \frac{1}{3}$ packs of rice. If each pack is $1 \frac{5}{7}$ kg of rice.
How much rice did she buy?

.....

Mathematics

Exam

7

First Question

1

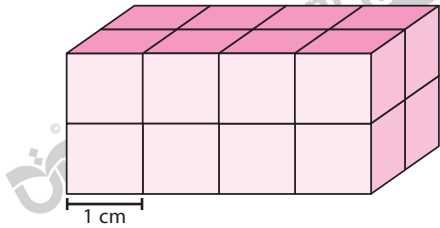
Choose the correct answer:

- (1) The angle measure of the sector that represents half a circle is
 (a) 45° (b) 90° (c) 180° (d) 200°
- (2) The triangle with side lengths 7 cm, 8 cm andcm is an isosceles triangle.
 (a) 5 (b) 7 (c) 6 (d) 9
- (3) $\frac{2}{3} \times \frac{5}{7} =$
 (a) $\frac{7}{10}$ (b) $\frac{14}{15}$ (c) $\frac{10}{21}$ (d) $\frac{3}{4}$
- (4) The value of A in the pattern (2, 10), (3, 15), (4, A), (5, 25) is
 (a) 20 (b) 30 (c) 40 (d) 5
- (5) The has two pairs of parallel sides.
 (a) triangle (b) rhombus (c) pentagon (d) trapezium
- (6) $3\frac{1}{2}$ years = months.
 (a) 24 (b) 36 (c) 42 (d) 12
- (7) A cube has edges.
 (a) 6 (b) 8 (c) 12 (d) 5
- (8) $\frac{1}{2} \div 3 =$
 (a) $\frac{3}{2}$ (b) $\frac{1}{6}$ (c) $\frac{1}{5}$ (d) $\frac{2}{3}$
- (9) The equivalent fraction of $\frac{36}{63}$ is
 (a) $\frac{3}{6}$ (b) $\frac{6}{13}$ (c) $\frac{3}{16}$ (d) $\frac{4}{7}$

Second Question 2 Answer the following:

(1) Write the dimensions of the rectangular prism, then find its volume.

Length	Width	Height	Volume
..... cm	 cm	 cm	 cm ³



(2) Noha ate $\frac{1}{7}$ of the apple pie and her sister Nadia ate $\frac{1}{4}$ of the same pie.
What is the total amount they ate altogether?

.....

(3) Find the quotient of $5 \overline{)12}$

.....

(4) Find a fraction equivalent to $\frac{5}{7}$ whose numerator is 30.

.....

(5) **Complete:** (a) The area of a rectangle = $\times$ width.

(b) Any triangle has at least acute angle(s).

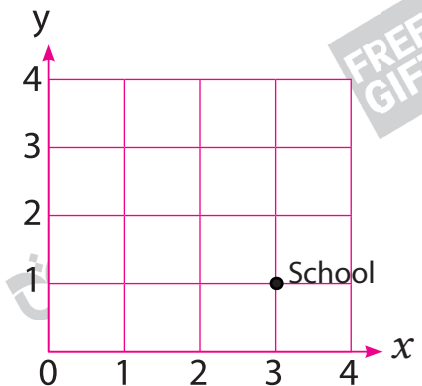
(6) **Use the number line to answer the questions:**



(a) What is the value of A?

(b) What is the distance between A and C?

(7) **Using the coordinate plane:**
The ordered pair which represents the school is (.....,.....)



Mathematics

Exam 8

First Question 1 Choose the correct answer:

(1) An equivalent fraction of $\frac{12}{20}$ is

- (a) $\frac{1}{5}$ (b) $\frac{3}{4}$ (c) $\frac{3}{5}$ (d) $\frac{2}{5}$

(2) $\frac{3}{4} - \frac{1}{3} =$

- (a) $\frac{2}{10}$ (b) 2 (c) $\frac{2}{12}$ (d) $\frac{5}{12}$

(3) The sum of: $4 + \frac{1}{9} + 2 + \frac{4}{9}$ is

- (a) $6\frac{3}{9}$ (b) $6\frac{5}{9}$ (c) $6\frac{1}{9}$ (d) $2\frac{3}{9}$

(4) The improper fraction which is equivalent to $1\frac{3}{5}$ is

- (a) $\frac{4}{5}$ (b) $\frac{8}{5}$ (c) $\frac{15}{5}$ (d) $\frac{13}{5}$

(5) $4 \div \frac{1}{2} =$

- (a) 5 (b) 6 (c) 8 (d) $4\frac{1}{2}$

(6) $\times \frac{4}{11} = \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$

- (a) 4 (b) 11 (c) 14 (d) 10

(7) The measure of an obtuse angle the measure of a right angle.

- (a) < (b) > (c) = (d) otherwise

(8) In the ordered pair (.....), the x-coordinate is 2 and the y-coordinate is 5

- (a) (3, 5) (b) (5, 2) (c) (2, 5) (d) (3, 7)

(9) A unit of volume can be

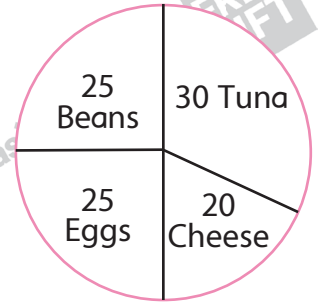
- (a) m (b) cm^2 (c) km (d) m^3

Second Question 2 Answer the following:

(1) The opposite figure shows the favorite breakfast for some students:

(a) What is the total number of students in the survey?

(b) What is the fraction of students who prefer Tuna?



(2) Evaluate in the simplest form:

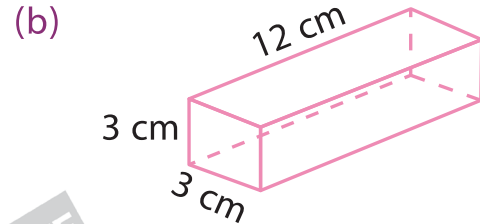
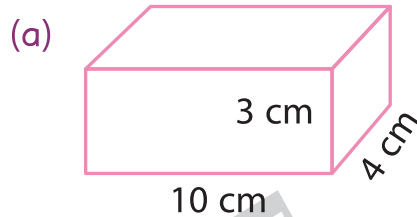
(a) $2 \frac{1}{3} \times \frac{3}{5} = \dots\dots\dots$

(b) $2 \frac{5}{7} + 3 \frac{2}{7} = \dots\dots\dots$

(3) A rug has a length of 3 m and a width of $\frac{3}{4}$ m.

What is the area of the rug?

(4) Which prism has the greater volume? Rectangular prism [A] or rectangular prism [B]?



(5) What is the quadrilateral which has only 1 pair of parallel sides?

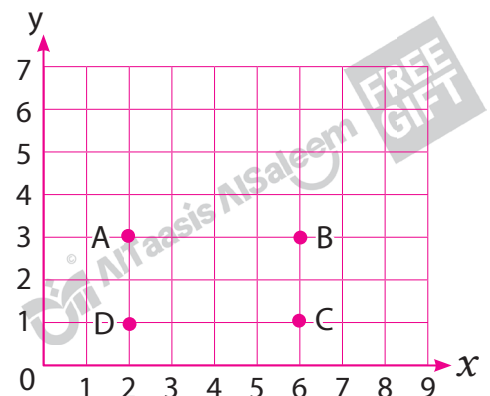
(6) Khalid has $80 \frac{3}{4}$ pounds. He gave his brother $20 \frac{1}{2}$ pounds.

How many pounds are left with Khalid?

(7) From the opposite coordinate plane:

(a) The point D (.....,.....)

(b) Connect the points $A \rightarrow B \rightarrow C \rightarrow D \rightarrow A$, then determine the name of the figure ABCD



Mathematics

Exam

9

First Question

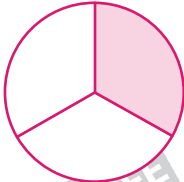
1

Choose the correct answer:

(1) The solid that has 5 vertices and 8 edges is a

- (a) cone (b) cube (c) cuboid (d) square pyramid

(2) If the circle represents 60 students, then the number of students represented by the


 shaded part = students.

- (a) 20 (b) 30 (c) 40 (d) 60

(3) The vertical number line in the coordinate plane is called

- (a) origin point (b) x-axis (c) y-axis (d) ordered pair

(4) A/An triangle has 3 acute angles.

- (a) right (b) acute (c) obtuse (d) otherwise

(5) $17 \div \frac{1}{2} = 17 \times \dots\dots\dots$

- (a) 2 (b) 7 (c) 1 (d) 10

(6) $\dots\dots\dots \times \dots\dots\dots = \left(-\frac{3}{4} \times 1\right) + \left(-\frac{3}{4} \times \frac{1}{9}\right)$

- (a) $1 \frac{1}{4} \times \frac{3}{4}$ (b) $1 \times 1 \frac{3}{4}$ (c) $\frac{3}{4} \times 1 \frac{1}{9}$ (d) $\frac{1}{4} \times \frac{1}{9}$

(7) $1 \frac{1}{4}$ days = hours

- (a) 24 (b) 6 (c) 30 (d) 8

(8) $2 \frac{2}{4} + 3 \frac{1}{4} = \dots\dots\dots$

- (a) $\frac{3}{8}$ (b) $\frac{1}{8}$ (c) $5 \frac{3}{4}$ (d) $5 \frac{1}{8}$

(9) $\frac{3}{9} = \frac{\dots\dots\dots}{90}$

- (a) 10 (b) 30 (c) 60 (d) 90

Second Question 2 Answer the following:

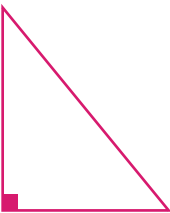
(1) Karma walked $\frac{1}{5}$ Km and Karim walked $\frac{1}{3}$ Km more than Karma.
How far did Karim walk?

.....

(2) What type of triangle is the opposite triangle according to its sides and angles?



.....



(3) Find in the simplest form: $2\frac{1}{3} \times 2\frac{5}{7} =$

(4) A door has a width of $1\frac{1}{2}$ meters and its length is $2\frac{1}{2}$ meters.
What is the area of the door in square meters?

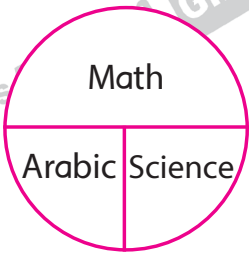
.....

(5) Monir has a gift whose length is 50 cm, its width 30 cm and its height 40 cm.
Find the volume of the box.

.....

(6) What is the measure of the angle that represents Arabic in the opposite figure?

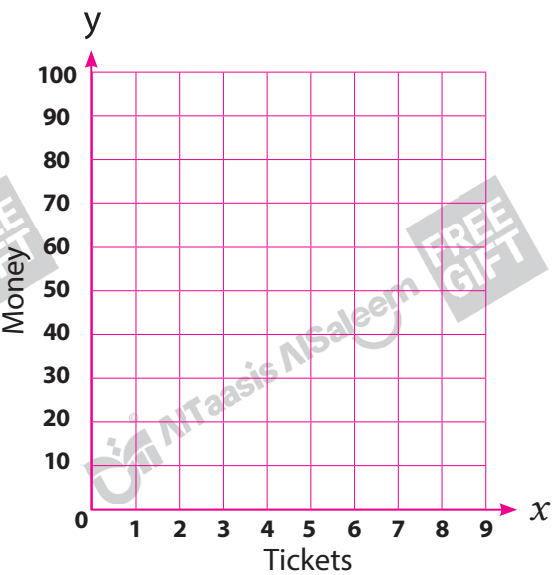
.....



(7) Nabila is selling cinema tickets. She earns 10 L.E. per ticket. Complete the table, then plot the points on the coordinate grid.

Tickets	2	4	7	8
Money	.....	.....	.....	.....

.....

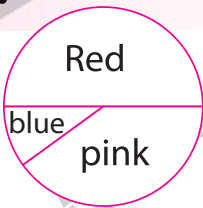


Mathematics Exam 10

First Question 1 Choose the correct answer:

(1) In the opposite figure:

The most preferred color among students is



- (a) red (b) blue (c) pink (d) others

(2) Number of vertices of a cube number of vertices of a square-based pyramid.

- (a) > (b) = (c) < (d) double

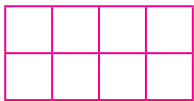
(3) The volume of a cuboid = base area ×

- (a) length (b) width (c) perimeter (d) height

(4) The point (0, 7) lies on the

- (a) y-axis (b) x-axis (c) origin point (d) ordered

(5) The area of the opposite rectangle = square units.



- (a) 10 (b) 8 (c) 4 (d) 6

(6) $\frac{2}{3}$ of 6 =

- (a) 1 (b) 2 (c) 3 (d) 4

(7) $2\frac{1}{3} - \frac{1}{4} =$

- (a) $2\frac{1}{7}$ (b) $1\frac{1}{4}$ (c) $2\frac{1}{4}$ (d) $2\frac{1}{12}$

(8) The distance between point A and B is length units.



- (a) 1 (b) 8 (c) 6 (d) 7

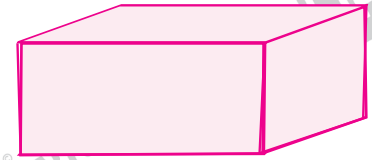
(9) $2 \times \frac{5}{7} =$ $\times \frac{2}{7}$

- (a) 2 (b) 5 (c) 7 (d) $\frac{5}{7}$

Second Question 2 Answer the following:

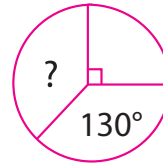
- (1) If the volume of the opposite cuboid = 140 cm^3 and the area of base is 20 cm^2 , find the height of the cuboid

.....



Base area = 20 cm^2

- (2) The measure of the central angle of the missing sector is



- (3) Find the value of A in the following equation:



$$A \times 8 = 24$$

.....

- (4) What is the shape of the base of the square-based pyramid?

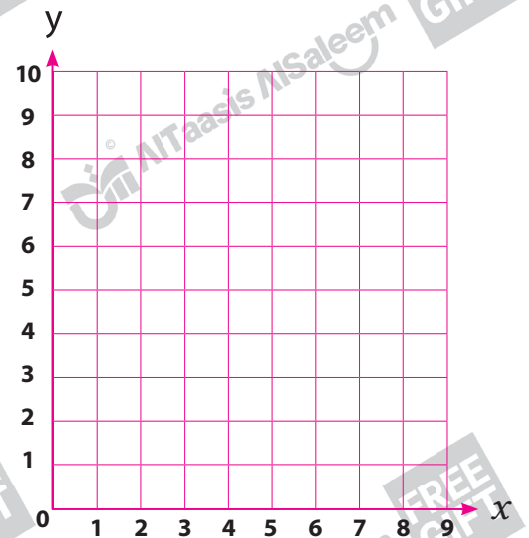


.....

- (5) Nour ran $2 \frac{1}{8}$ km on Friday, and $3 \frac{1}{4}$ km on Saturday. What is the total distance Nour ran on the two days?

.....

- (6) In the opposite coordinate plane:
Graph the figure ABCD where the points are
A (3, 2), B (8, 2), C (8, 5), D (3, 5)



(a) What is the name of the figure ABCD?

(b) $\overline{AB}$ is parallel to

- (7) Complete: In the equilateral triangle, if the lengths of two sides are 5 cm and 5 cm, then the length of the third side is cm.

Model Answers

Exam (1)

First Question:

- (1) b (2) b (3) a (4) a (5) b
 (6) a (7) b (8) a (9) c

Second Question:

(1) (a) $3 \frac{3}{8}$ (b) $\frac{12}{5} \times \frac{2}{3} = \frac{24}{15} = \frac{8}{5} = 1 \frac{3}{5}$
 (c) $\frac{1}{3}$ (d) $\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$

(2) 4 units. (3) $3 + 2 \frac{3}{8} + 4 \frac{1}{4} = 3 + 2 \frac{3}{8} + 4 \frac{2}{8} = 9 \frac{5}{8}$

(4) Isosceles, right triangle.

(5) $3 \times 2 \frac{1}{5} = 3 \times \frac{11}{5} = \frac{33}{5} = 6 \frac{3}{5}$

(6) Length edge of the cube = 2 m.

Volume of the cube = $2 \times 2 \times 2 = 8 \text{ m}^3$

Volume of the cuboid = $2 \times 2 \times 6 = 24 \text{ m}^3$

Total volume = $8 + 24 = 32 \text{ m}^3$

(6) Answer by yourself.

Exam (2)

First Question:

- (1) d (2) b (3) c (4) a (5) c
 (6) a (7) d (8) c (9) b

Second Question:

(1) $3 \frac{5}{9} - 1 \frac{2}{9} = 2 \frac{3}{9} = 2 \frac{1}{3}$ (2) (a) $B = \frac{1}{5}$ (b) $B = \frac{1}{3}$

(3) $V = 10 \times 4 \times 3 = 10 \times 12 = 120 \text{ cm}^3$

(4) $A = 2 \times 1 \frac{1}{2} = 2 \times \frac{3}{2} = \frac{6}{2} = 3 \text{ m}^2$

(5) (a) $\frac{10}{3} \times \frac{11}{2} = \frac{55}{3} = 18 \frac{1}{3}$ (b) $\frac{2}{5}$

(6) $360^\circ - (100^\circ + 103^\circ) = 360^\circ - 203^\circ = 157^\circ$

(7) (a) +3, +2

(b) $y = 17$, (21, 17) complete the table by yourself

Exam (3)

First Question:

- (1) c (2) c (3) d (4) a (5) d
 (6) b (7) a (8) d (9) b

Second Question:

(1) (a) $4 \times 3 = 12$ (b) $2 \frac{6}{15} + 1 \frac{3}{15} = 3 \frac{9}{15} = 3 \frac{3}{5}$

(2) $A = 7 \times 7 = 49 \text{ cm}^2$ (3) $V = 5 \times 3 \times 2 = 30 \text{ cm}^3$

(4) (a) $\frac{1}{4}$ (b) $\frac{1}{2}$ (c) $\frac{1}{8}$

(5) $\frac{2}{3} - \frac{1}{9} = \frac{6}{9} - \frac{1}{9} = \frac{5}{9}$

(6) $2 \frac{1}{3} \times 12 = \frac{7}{3} \times 12 = 28 \text{ L.E}$

(7) Home.

Exam (4)

First Question:

- (1) b (2) a (3) d (4) b (5) d
 (6) a (7) a (8) b (9) c

Second Question:

(1) $B = 2$

(2) $400 - 260 = 140 \text{ m}^3$

(3) $A = 2 \frac{1}{3} \times 1 \frac{1}{2} = \frac{7}{3} \times \frac{3}{2} = \frac{7}{2} = 3 \frac{1}{2}$

(4) Answer by yourself.

(5) (a) $\frac{6}{10} - \frac{2}{10} = \frac{4}{10} = \frac{2}{5}$ (b) $5 \times 2 = 10$

(6) 0 edges.

(7) House (0, 4)

Library (2, 5)

Garden (3, 3)

Exam (5)

First Question:

- (1) d (2) d (3) d (4) b (5) c
 (6) c (7) b (8) b (9) c

Second Question:

(1) $C = 5$ (2) $A = 5 \times 1 \frac{1}{5} = 5 \times \frac{6}{5} = 6 \text{ m}^2$

(3) (a) $\frac{1}{2} \times 6 = 3$ (b) $\frac{2}{3} \times \frac{15}{10} = \frac{30}{30} = 1$

(c) $\frac{10}{12} + \frac{1}{12} = \frac{11}{12}$ (d) $3 \frac{10}{15} - 1 \frac{9}{15} = 2 \frac{1}{15}$

(4) $L = \frac{72}{3 \times 4} = \frac{72}{12} = 6 \text{ cm}$

(5) (a) C (5, 9) (b) Right triangle.

(6) (a) $A = 1$ (b) 4 units.

(7) $2 \frac{1}{3} \times 5 \frac{1}{2} = \frac{7}{3} \times \frac{11}{2} = \frac{77}{6} = 12 \frac{5}{6}$

Exam (6)

First Question:

- (1) b (2) d (3) c (4) d (5) a
 (6) c (7) d (8) a (9) c

Second Question:

(1) 1, 18, $V = 18$

(2) (a) $AB = 6 - 2 = 4$ units.

(b) square.

$$(3) 7 \div \frac{1}{3} = 7 \times 3 = 21$$

$$(4) \left(2 + \frac{2}{5}\right) \times \frac{2}{3} = \left(2 \times \frac{2}{3}\right) + \left(\frac{2}{5} \times \frac{2}{3}\right)$$

$$= \frac{4}{3} + \frac{4}{15} = \frac{20}{15} + \frac{4}{15} = \frac{24}{15}$$

$$= \frac{8}{5} = 1\frac{3}{5}$$

(5) Answer by yourself. (6) $1\frac{1}{6} + 2\frac{2}{6} = 3\frac{3}{6} = 3\frac{1}{2}$

$$(7) 2\frac{1}{3} \times 1\frac{5}{7} = \frac{7}{3} \times \frac{12}{7} = \frac{84}{21} = 4 \text{ kg}$$

Exam (7)

First Question:

- (1) c (2) b (3) c (4) a (5) b
(6) c (7) c (8) b (9) d

Second Question:

(1) $L = 4, W = 2, h = 2$

$$V = 4 \times 2 \times 2 = 16 \text{ cm}^3$$

(2) $\frac{1}{7} + \frac{1}{4} = \frac{4}{28} + \frac{7}{28} = \frac{11}{28}$

(3) $12 \div 5 = \frac{12}{5} = 2\frac{2}{5}$ (4) $\frac{5}{7} = \frac{30}{42}$

(5) (a) Length. (b) 2

(6) (a) $A = 2$ (b) $AC = 8 - 2 = 6$

(7) (3, 1)

Exam (8)

First Question:

- (1) c (2) d (3) b (4) b (5) c
(6) a (7) b (8) c (9) d

Second Question:

(1) (a) 100 (b) $\frac{30}{100} = \frac{3}{10}$

(2) (a) $\frac{7}{3} \times \frac{3}{5} = \frac{21}{15} = \frac{7}{5} = 1\frac{2}{5}$ (b) $5\frac{7}{7} = 6$

(3) $A = 3 \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4} \text{ m}^2$

(4) $V \text{ of } (A) = 10 \times 3 \times 4 = 10 \times 12 = 120 \text{ cm}^3$

$$V \text{ of } (B) = 3 \times 3 \times 12 = 9 \times 12 = 108 \text{ cm}^3$$

Volume of (A) is greater.

- (5) Trapezium. (6) $80\frac{3}{4} - 20\frac{2}{4} = 60\frac{1}{4}$ pounds
(7) D (2, 1), rectangle.

Exam (9)

First Question:

- (1) d (2) a (3) c (4) b (5) a
(6) c (7) c (8) c (9) b

Second Question:

(1) $\frac{1}{5} + \frac{1}{3} = \frac{3}{15} + \frac{5}{15} = \frac{8}{15}$

(2) Scalene, right triangle. (3) $\frac{7}{3} \times \frac{19}{7} = \frac{19}{3} = 6\frac{1}{3}$

(4) $A = 1\frac{1}{2} \times 2\frac{1}{2} = \frac{3}{2} \times \frac{5}{2} = \frac{15}{4} = 3\frac{3}{4} \text{ m}^2$

(5) $V = 50 \times 30 \times 40 = 60,000 \text{ cm}^3$

(6) 90°

Tickets	2	4	7	8
Money	20	40	70	80

(2, 20), (4, 40), (7, 70), (8, 80)

Exam (10)

First Question:

- (1) a (2) a (3) d (4) a (5) b
(6) d (7) d (8) d (9) b

Second Question:

(1) $H = 140 \div 20 = 7 \text{ cm}$.

(2) $360^\circ - (130^\circ + 90^\circ) = 360^\circ - 220^\circ = 140^\circ$

(3) $A = 3$

(4) Square

(5) $2\frac{1}{8} + 3\frac{2}{8} = 5\frac{3}{8} \text{ Km}$.

(6) (a) rectangle.

(b) DC

(7) 5 cm.

حمل الآن

مجانا وحصريا

امتحانات رقم (5)

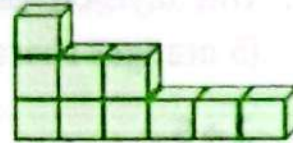
الترم الثاني



Prim 5 - Model No

(1)

[Q1] [A] Choose the correct answer:



(1) The volume of the opposite figure =

a) 10

b) 12

c) 14

d) 16

(2) $4 \times \frac{1}{3} = \dots\dots\dots$

a) 4

b) 12

c) $1\frac{1}{3}$ d) $\frac{4}{12}$

(3) The polygon formed from three sides is called

a) Parallelogram

b) Square

c) Rectangle

d) Triangle

[B] If $9 - M = 5\frac{3}{10}$, then find the value of M ?

[Q2] [A] Choose the correct answer:

(1) The smallest like denominator for $\frac{2}{5}$, $\frac{1}{2}$ is

a) 5

b) 2

c) 10

d) 7

(2) The rectangle has Axes of symmetry

a) 1

b) 2

c) 3

d) 4

(3) The circular degrees that match the fraction of the circle that is shaded =°

a) 30

b) 45

c) 60

d) 90

[B] Find the result of : $2\frac{2}{7} + 4\frac{5}{7}$?

[Q3] [A] Choose the correct answer:

(1) The division problem that expresses the following situation:
(5 oranges shared by 7 students) is

- a) $2 \div 5$ b) $5 \div 2$ c) $5 \div 7$ d) $7 \div 5$

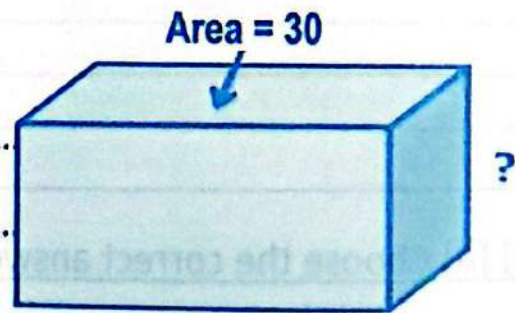
(2) The obtuse triangle has acute angle

- a) 0 b) 1 c) 2 d) 3

(3) $\frac{11}{12} \times \frac{11}{12}$ $\frac{11}{12}$

- a) $<$ b) $>$ c) $=$ d) otherwise

[B] If the volume = 240 cm^3
Find the height of cuboid



[Q4]

[A] Find the result $24 \div 5$ (as mixed number)

[B] Mahmoud has $\frac{3}{4}$ liter of juice, and he drank $\frac{2}{6}$ liter of it. How many liters are left from the juice?

[Q5]

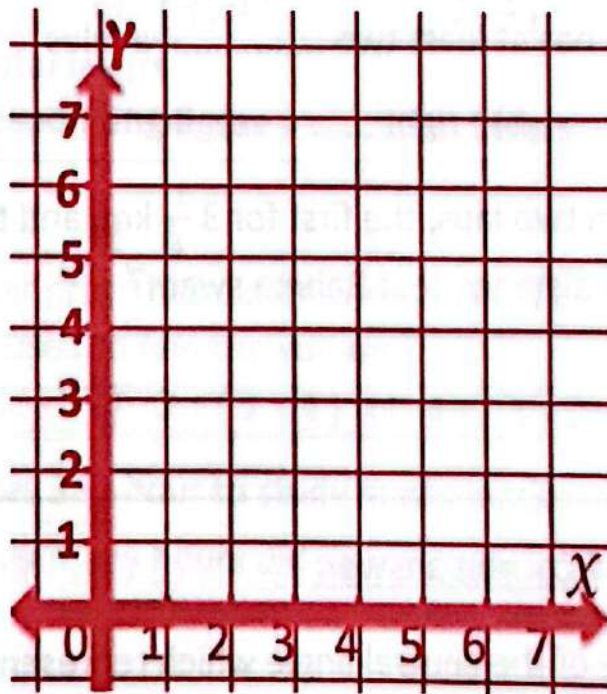
[A] A rectangular rug 6 m long and $2\frac{1}{2}$ m wide found its area.

.....

.....

.....

[B] Locate the following points on the coordinate plane
And connect the points A (3 , 2), B (8 , 2),
↳ What is the distance between them?



◆◆◆
End of the questions

Prim 5 - Model No**(2)**[Q1] [A] Choose the correct answer:

(1) Smallest like denominator for $4\frac{1}{8}$, $3\frac{1}{4}$ is

a) 16

b) 4

c) 8

d) 32

(2) $0.75 = \dots\dots\dots$

a) $\frac{1}{2}$ b) $\frac{1}{3}$ c) $\frac{1}{4}$ d) $\frac{3}{4}$

(3) Any triangle has at least two angles

a) obtuse

b) right

c) acute

d) Otherwise

[B] Rahma swam two laps, the first for $3\frac{1}{8}$ km, and the second for $2\frac{3}{4}$ km. Find the distance that Rahma swam?

.....

.....

.....

[Q2] [A] Choose the correct answer:

(1) The measure of the central angle which represents $\frac{3}{4}$ of the circle
=^o

a) 120

b) 270

c) 90

d) 180

(2) A rectangular prism has 4 vertical layers and 5 cubes in each layer, then its volume = cubes

a) 9

b) 10

c) 20

d) 18

(3) $2\frac{1}{4} \times 4 = \dots\dots\dots$

a) 2

b) 9

c) 8

d) $\frac{8}{4}$

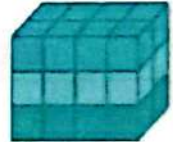
- [B] The teacher wants to give $\frac{1}{8}$ box of pencils to each student. The teacher has 5 boxes of pencils, find the number of students to whom the teacher will give pencils?

[Q3] [A] Choose the correct answer:

- (1) If the point (3 , 5) moves up 4 units, the new position of the point

a) (7 , 5) b) (3 , 9) c) (7 , 9) d) (3 , 9)

- (2) The horizontal layers
in the corresponding figure = layers



a) 2 b) 3 c) 4 d) 6

- (3) A rectangular prism has dimensions (2 cm, 3 cm, 4 cm), which equation is used to find the volume?

a) $2 \times (3 \times 4)$ b) $2 + (3 \times 4)$ c) $4 + (3 \times 2)$ d) $3 \times (2 \times 4)$

- [B] If Salma takes $3\frac{1}{2}$ hour to study mathematics, and science for 45 minutes. How many hours did Salma study in all ?

[Q4]

- [A] A house has a window that is $\frac{3}{8}$ meter wide and two meters long.
Find The window area ?

[B] Find the result of : $4\frac{2}{3} - 3\frac{1}{6}$?

[Q5]

[A] If Volume of cuboid = 48 cm^3 and its height = 8 cm ,then find its base area ?

[B] Mahmoud has a colored circle with the following colors: $\frac{1}{2}$ of the circle is red, $\frac{1}{5}$ of the circle is blue, and the rest of the circle is yellow. Find the decimal fraction that represents the yellow color ?

♦ ♦ ♦
End of the questions

م/أحمد مسعود

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Prim 5 - Model No**(3)**[Q1] [A] Choose the correct answer:

(1) The circular degrees that match the fraction of the circle that is shaded =°

- a) 90 b) 180 c) 120 d) 360



(2) $\frac{1}{5}$ of 15 =

- a) $\frac{1}{3}$ b) 3 c) 20 d) $\frac{1}{6}$

(3) The opposite figure _____ is called

- a) Ray b) Line segment c) Straight line d) angle

[B] find the result of $\frac{3}{7} + \frac{4}{14}$?

[Q2] [A] Choose the correct answer:

(1) If $7 \div H = 28$, then $H =$

- a) 4 b) $\frac{4}{7}$ c) $\frac{4}{28}$ d) $\frac{1}{4}$

(2) Smallest like denominator for $\frac{1}{6}, \frac{4}{5}$ is

- a) 15 b) 30 c) 60 d) 90

(3) Any triangle has at least two angles

- a) right b) obtuse c) acute d) scalene

- [B] A juice box in the shape of a rectangular cuboid, 6 cm long, 5 cm wide, and 10 cm high. Find its volume ?

[Q3] [A] Choose the correct answer:

- (1) The Vertical layers
in the corresponding figure = layers

a) 2 b) 3 c) 4 d) 24



- (2) If $2 \times \frac{m}{7} = \frac{6}{7}$, then $m = \dots\dots\dots$

a) 20 b) 3 c) 6 d) 7

- (3) When plot the ordered pair (4, 3) in the coordinate plane we move Horizontal units on X-axis

a) 4 b) 3 c) 7 d) 5

- [B] A car travels $1\frac{3}{5}$ km while going to school, so if it travels the same distance on the way back. How much distance do you travel back and forth?

[Q4]

- [A] Maryam divided 5 hours equally into studying 4 subjects. How many hours do you study each subject?

[B] From the opposite figure :

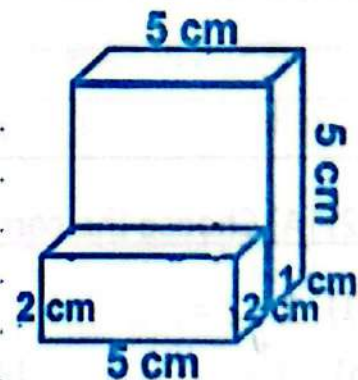
- ① The fraction which represents the shaded part is
- ② The circular degrees that match the fraction of the circle that is shaded is°



[Q5]

[A] In the equation: $P - 2\frac{5}{6} = 5$, find the value of P?

[B] Find The volume of the opposite figure ?



◆ ◆ ◆
End of the questions

Prim 5 - Model No**(4)****[Q1] [A] Choose the correct answer:**

(1) $3 - 1\frac{5}{6} = \dots\dots\dots$

a) $2\frac{1}{6}$

b) $1\frac{1}{6}$

c) $4\frac{5}{6}$

d) $2\frac{5}{6}$

(2) The two lines never intersecting

a) Parallel

b) Perpendicular

c) angle

d) intersecting

(3) $7 \div \frac{1}{3} = 7 \times \dots\dots\dots$

a) $\frac{1}{3}$

b) 21

c) 3

d) 49

[B] Find the result of : $5\frac{1}{3} + 2\frac{2}{3}$?**[Q2] [A] Choose the correct answer:**

(1) $3 \div 2 = \dots\dots\dots$

a) $1\frac{1}{2}$

b) 6

c) $\frac{2}{3}$

d) 5

(2) The circular degrees that match

the fraction of the circle that is shaded=°

a) 30

b) 45

c) 60

d) 90



(3) The angle of measure more than 90° is angle

a) Acute

b) Obtuse

c) Right

d) Otherwise

[B] Ali has an herb garden that is 10 units long, $\frac{1}{3}$ unit wide. What is its area?

[Q3] [A] Choose the correct answer:

(1) Volume of cuboid = $\times$ width $\times$ height

- a) Length b) Area c) Volume d) double

(2) $\frac{4}{7} \times \frac{7}{4}$ $\frac{4}{7}$

- a) $>$ b) $=$ c) $<$ d) Otherwise

(3) The triangle of sides 9 cm, 4 cm, 9cm is called Triangle

- a) Isosceles b) Equilateral c) Scalene d) Otherwise

[B] Doha owns a plot of land that cultivates $\frac{3}{5}$ Wheat, and $\frac{2}{10}$ from an area of land is rice. What is the total cultivated part of the plot area?

[Q4]

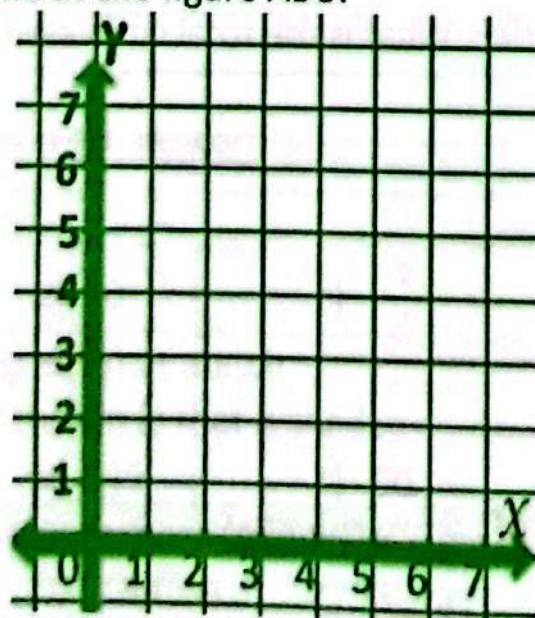
[A] Find the result of : $3\frac{1}{2} - 1\frac{5}{6}$?

- [B] Soad uses $1\frac{3}{4}$ kilogram of flour to make a large cake. What is the amount Need to make 6 cakes of the same size?

[Q5]

- [A] If $\frac{1}{3}$ of the amount is equal to 30 pounds . What is the total amount ?

- [B] Graph the figure ABC where A (2,8) , B(3 ,4) ,C (8 ,4)
What is the name of the figure ABC?



♦ ♦ ♦
End of the questions

Prim 5 - Model No

(5)

[Q1] [A] Choose the correct answer:

(1) In the ordered pair (5 , 7) the X coordinate is

- a) 5 b) 7 c) 12 d) 2

(2) $1 + \frac{5}{8} + \frac{2}{3} = \dots\dots\dots$

- a) $24\frac{2}{7}$ b) $7\frac{2}{24}$ c) $2\frac{7}{24}$ d) $1\frac{7}{24}$

(3) The cone hasvertices

- a) 0 b) 1 c) 2 d) 8

[B] Ahmed walks around the perimeter of the garden 3 days a week, the perimeter of the garden is $2\frac{1}{3}$ kilometers. What is the total distance that Ahmed walks every week?

.....

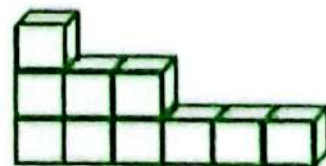
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[Q2] [A] Choose the correct answer:

(1) The volume of the opposite figure =



- a) 10 b) 12 c) 14 d) 16

(2) $\frac{1}{3} \div 5 = \dots\dots\dots$

- a) 15 b) $\frac{5}{3}$ c) $\frac{3}{5}$ d) $\frac{1}{15}$

(3) The isosceles triangle has axes of symmetry

- a) 1 b) 2 c) 3 d) 4

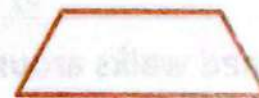
[B] Find the result of : $5 \frac{2}{4} - 3 \frac{3}{4}$?

[Q3] [A] Choose the correct answer:

(1) The area of rectangle whose dimensions 3 cm , $3 \frac{1}{2} \text{ cm}$ =
..... cm^2

- a) 12 b) 11 c) $10 \frac{1}{2}$ d) $10 \frac{1}{4}$

(2) From the describe of the opposite figure



- a) Has 4 equal sides c) Has only pair of parallel sides
b) Each two opposite sides parallel d) Has 4 right angles

(3) The circular degrees that match the fraction of the circle that is shaded=

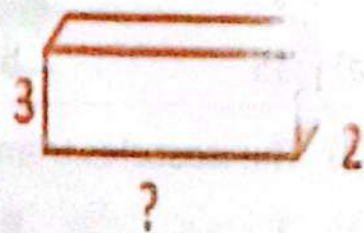
- a) 30 b) 60 c) 90 d) 120



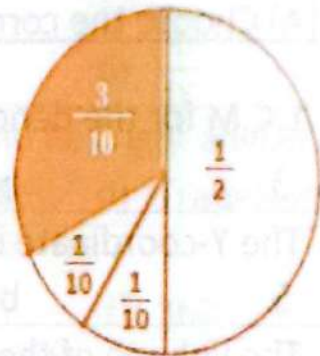
[B] Find the value of A in equation: $A - 7 \frac{2}{9} = 4 \frac{1}{9}$?

[Q4]

[A] Find the unknown dimension in the corresponding figure:
If you know that volume = 72 m^3



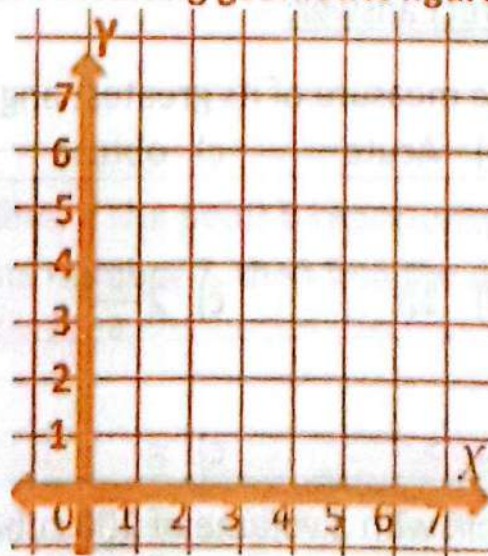
[B] Write The decimal form of the opposite shaded part?



[Q5]

[A] Ahmed has 11 liters of fruit juice and he wants to divide it equally among 5 of his friends, How many liters Which every friend get ?

[B] Locate the following points on the coordinate plane and connect the points in order A (4 , 7), B (4 , 10), C (7 , 10), D (7 , 7) What is the name of the resulting geometric figure?



End of the questions

Prim 5 - Model No**(6)****[Q1] [A] Choose the correct answer:**(1) L.C.M for the denominators of two fractions $\frac{1}{3}$, $\frac{5}{9}$ is

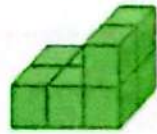
- a) 3 b) 6 c) 9 d) 27

(2) The Y-coordinate in ordered pair (8 , 5) is

- a) 5 b) 8 c) 3 d) 13

(3) The volume of the opposite figure =

- a) 6 b) 7 c) 8 d) 12



[B] If Sara takes an hour to study mathematics, and her brother takes 15 minutes less Calculate how long does her brother take to study math?

[Q2] [A] Choose the correct answer:

(1) The triangle whose measure of its greatest angle = 90 is called

- a) Right b) Acute c) obtuse d) Otherwise

(2) $2 \times \frac{3}{6} = \dots\dots\dots$

- a) 1 b) 12 c) $2\frac{3}{6}$ d) $\frac{3}{12}$

(3) $4\frac{3}{7}$ $7\frac{1}{6}$

- a) < b) > c) = d) otherwise

[B] A rectangular cuboid with a volume of 100 cubic centimeters, a length of 5 cm and a width of 4 cm. find its height ?

[Q3] [A] Choose the correct answer:

(1) $\frac{1}{3} \div 5 = \dots\dots\dots$

a) 15

b) $\frac{5}{3}$

c) $\frac{3}{5}$

d) $\frac{1}{15}$

(2) A figure that has two pairs of parallel sides and has right angles is

a) Parallelogram

b) Square

c) Rectangle

d) Trapezium

(3) The measure of right angle = $\dots\dots\dots^\circ$

a) 60

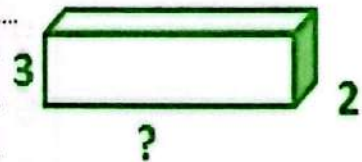
b) 90

c) 180

d) 360

[B] Find the unknown dimension in the corresponding figure:

If you know that volume = 42 m^3



[Q4]

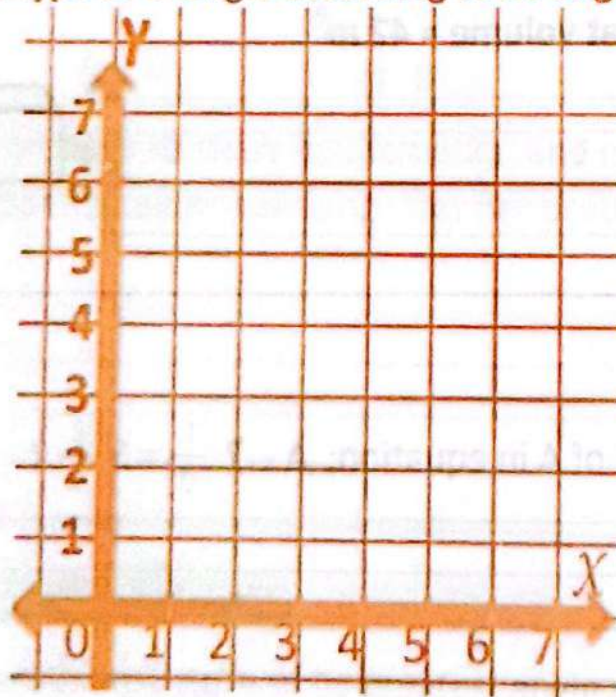
[A] Find the value of A in equation: $A - 7 \frac{1}{9} = 5 \frac{2}{9} ?$

[B] On the number line, if the point B represents the number 5 , and point C represents number 7, then find the distant between B , C ?

[Q5]

[A] A rectangular rug 4 m long and $2\frac{1}{4}$ m wide find its area?

[B] Locate the following points on the coordinate plane and connect the points in order A (3, 5), B (7, 5), C (3, 10), What is the type of triangle according to its angles?



♦ ♦ ♦
End of the questions

م/ أحمد حسد

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Prim 5 - Model No

(17)

[Q1] [A] Choose the correct answer:

(1) The cylinder has bases

- a) 1 b) 2 c) 3 d) 0

(2) $\frac{2}{3}$ of 6 squares = squares

- a) 18 b) 12 c) 4 d) 8

(3) The triangle of sides 7 cm , 5 cm , 8 cm is called triangle

- a) Scalene b) isosceles c) equilateral d) otherwise

[B] If $11 - M = 7\frac{3}{10}$, then Find the value of M ?

[Q2] [A] Choose the correct answer:

(1) $\frac{11}{12} \times \frac{11}{12}$ $\frac{11}{12}$

- a) > b) = c) < d) Otherwise

(2) The smallest like denominator for $\frac{2}{9}$, $\frac{1}{3}$ is

- a) 3 b) 9 c) 18 d) 27

(3) The volume of the opposite figure = Cubic



- a) 2 b) 3 c) 4 d) 7

[B] Rania bought $\frac{11}{15}$ kilogram of flour, and she used $\frac{3}{5}$ kilogram of it. How many the remaining kilograms of flour?

[Q3] [A] Choose the correct answer:

(1) $5 \times \frac{1}{3} = \dots\dots\dots$

a) 15

b) 5

c) $1\frac{2}{3}$

d) $\frac{1}{15}$

(2) The polygon formed from three sides is called

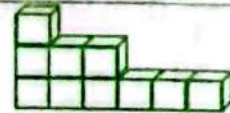
a) Parallelogram

b) Square

c) Rectangle

d) Triangle

(3) The volume of the opposite figure =



a) 10

b) 12

c) 14

d) 16

[B] Samar uses $1\frac{3}{4}$ kilogram of flour to make a large cake. What is the amount Need to make 8 cakes of the same size?

[Q4]

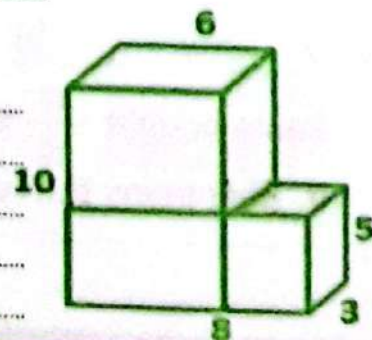
[A] In the opposite figure:

Write The circular degrees that match

the fraction of the circle that is shaded=°



[B] Find The volume of the opposite figure ?



[Q5]

[A] Ahmed buy 3 kg of oranges and eat $1\frac{3}{4}$ kg of them, How many kilograms are left ?

.....

.....

.....

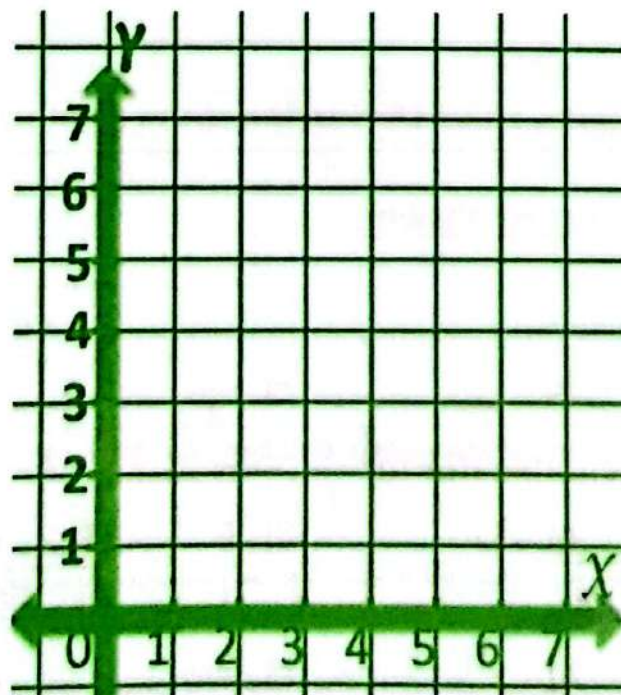
.....

[B] Locate the following points on the coordinate plane and connect the points in order A (1 , 3), B (3 , 3), C (3 , 5),

D (1 , 5) What is the name of the resulting geometric figure?

Complete: ① $\overline{AB} \parallel$

② $BC =$



◆◆◆
End of the questions

Prim 5 - Model No

(8)

[Q1] [A] Choose the correct answer:

(1) The equivalent fraction to $\frac{3}{7}$ is ...

- a) $\frac{9}{21}$ b) $\frac{3}{21}$ c) $\frac{17}{21}$ d) $\frac{8}{21}$

(2) The parallelogram with four equal sides is called

- a) Parallelogram b) rhombus c) Rectangle d) Triangle

(3) The circular degrees that match

the fraction of the circle that is shaded =°

- a) 90 b) 180 c) 270 d) 360



[B] Heba reads from her favorite book $\frac{2}{3}$ hour daily, and if she reads the book within 12 days. How many hours did she read the book?

[Q2] [A] Choose the correct answer:

(1) $\frac{1}{4} \div 7 = \dots\dots\dots$

- a) 28 b) $\frac{1}{28}$ c) $\frac{7}{4}$ d) $\frac{4}{7}$

(2) Smallest like denominator for $\frac{1}{6}, \frac{4}{5}$ is

- a) 5 b) 11 c) 6 d) 30

(3) $5 \times \frac{3}{7} \dots\dots\dots 4 \times \frac{3}{7}$

- a) < b) > c) = d) otherwise

[B] If $6 + \frac{x}{7} = 7\frac{6}{7}$, then find the value of x?

[Q3] [A] Choose the correct answer:

(1) $3 \times \frac{2}{5} = \dots\dots\dots$

a) $\frac{4}{5}$

b) $\frac{3}{5}$

c) 1

d) $1 \frac{1}{5}$

(2) The rhombus has $\dots\dots\dots$ axes of symmetry

a) 0

b) 1

c) 2

d) 4

(3)

a)

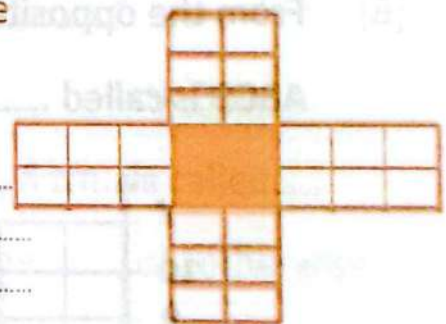
b)

c)

d)

[B] Find The volume of the corresponding figure when folded ?

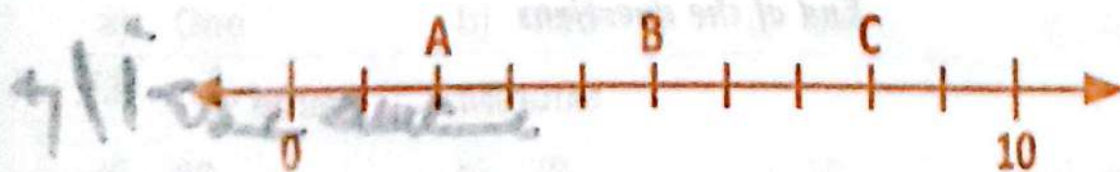
(shaded part represents the base of the figure)



[Q4]

[A] Karim has an herb garden that is 21 units long, $\frac{2}{3}$ unit wide. What is its area?

[B] Use the number line to answer the questions:



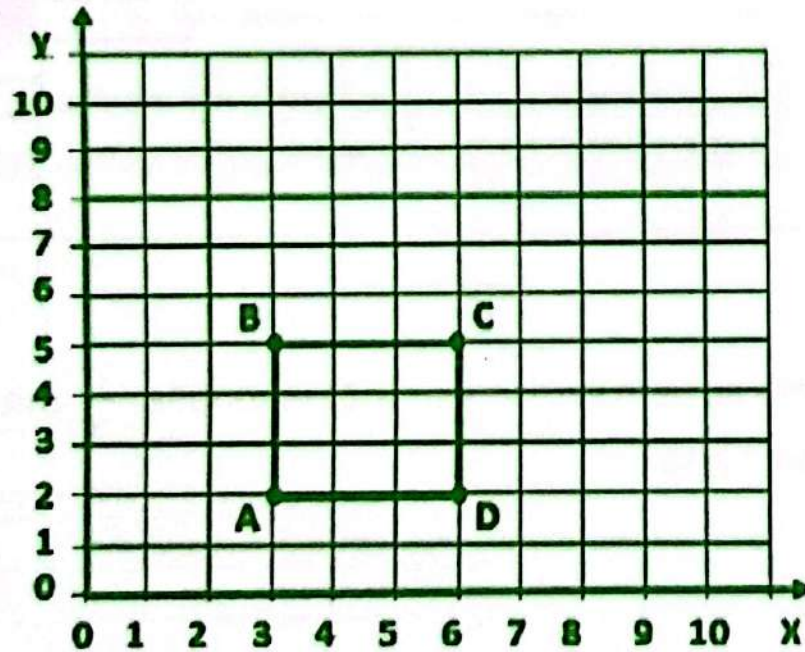
① What is the value of B? $\dots\dots\dots$

② How far is point C from point A? $\dots\dots\dots$

[Q5]

- [A] The teacher wants to give $\frac{1}{8}$ of a box of pencils to each pupil. If The teacher has 5 boxes of pencils, find the number of pupils that the teacher will give them pencils?
-
-
-

- [B] From the opposite coordinate plane, point C (... , ...)
- ABCD is called



◆ ◆ ◆

End of the questions

م/ أحمد حسنة

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Prim 5 - Model No**(9)****[Q1] [A] Choose the correct answer:**

(1) $\frac{1}{2} \dots\dots\dots \frac{1}{2} \times \frac{3}{4}$

- a)
- $>$
- b)
- $<$
- c)
- $=$
- d) otherwise

(2) The circular degrees that match

the fraction of the circle that is shaded=°



- a) 50 b) 60 c) 120 d) 360

(3) the triangle whose sides are 6 cm. , 7 cm., 6 cm. is called.....

- a) Equilateral b) Isosceles c) Scalene d) otherwise

[B] Soad has $\frac{3}{4}$ liter of juice, she drank $\frac{2}{6}$ liter of it. How many liters are left from the juice?

.....

.....

[Q2] [A] Choose the correct answer:

(1) If $\frac{1}{3} \div A = \frac{1}{9}$, then A =

- a) 3 b)
- $\frac{1}{27}$
- c)
- $\frac{1}{3}$
- d) 27

(2) The cuboid isdimension shape

- a) One b) Two c) three d) four

(3) $1\frac{1}{3}$ hour = Minutes

- a) 80 b) 70 c) 60 d) 90

[B] If $D - 2\frac{4}{9} = 4\frac{1}{3}$, then find the value of D ?

.....

[Q3] [A] Choose the correct answer:

(1) $\frac{3}{5} \times \frac{10}{12} = \dots\dots\dots$ in the simplest form

a) $\frac{6}{10}$

b) $\frac{1}{4}$

c) $\frac{2}{3}$

d) $\frac{1}{2}$

(2) The volume of cuboid whose dimensions 10 cm., 8 cm, 5 cm. is

a) 400 cm

b) 400 cm²

c) 40 cm³

d) 23 cm³

(3) Quadrilateral each two opposite sides are parallel and all angles are right is called

a) Rhombus

b) Trapezoid

c) Parallelogram

d) square

[B] A room in the form of a cuboid, the area of one of the faces is 30 m² and the third dimension is 3 m, so find the volume of the room.

[Q4]

[A] Find the result of : $2\frac{1}{4} + 1\frac{1}{6}$

[B] If $\frac{1}{3} \times b = \frac{1}{24}$, then find the value of b ?

[Q5]

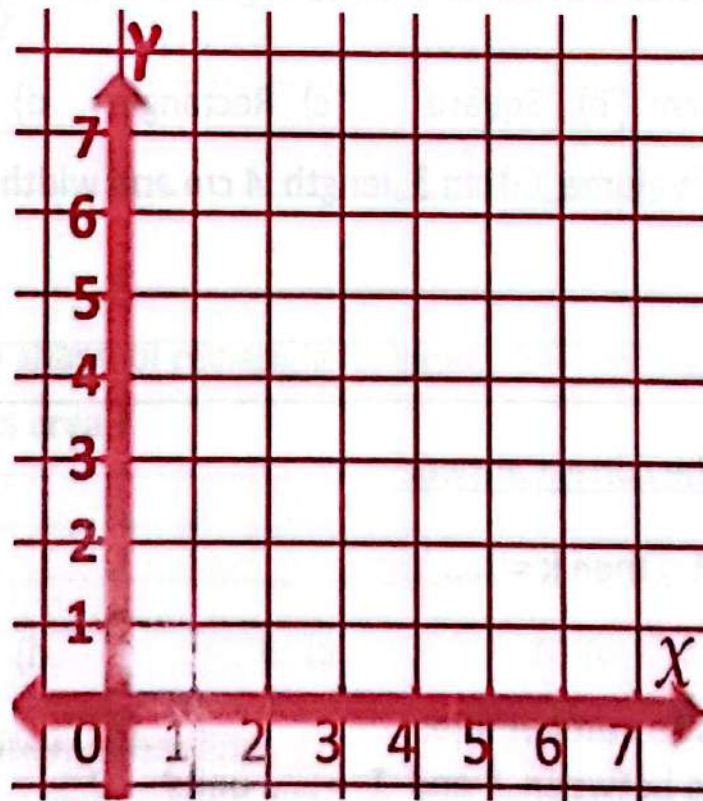
[A] A rectangular carpet 4 m long and $2\frac{1}{2}$ m wide find its area.

.....

.....

.....

[B] Locate the following points on the coordinate plane and connect the points in order A (4 , 9), B (2 , 9), C (2 , 4), D (4 , 4) What is the name of the resulting geometric figure?



♦ ♦ ♦

End of the questions

Prim 5 - Model No

10

[Q1] [A] Choose the correct answer:

(1) The degree measure the angle representing $\frac{1}{3}$ circle =°

- a) 90 b) 120 c) 240 d) 30

(2) $3 \div \frac{1}{2} = \dots\dots$

- a) 6 b) 2 c) $\frac{1}{3}$ d) $\frac{1}{6}$

(3) A quadrilateral that has two acute angles and two obtuse angles is

- a) Parallelogram b) Square c) Rectangle d) triangle

[B] A cuboid of volume 60 cm³, length 4 cm and width of 3 cm find its Height ?

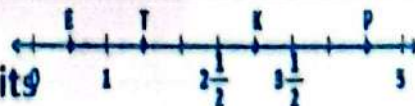
[Q2] [A] Choose the correct answer:

(1) If $\frac{1}{3} \times k = 1$, then k =

- a) 6 b) 1 c) 3 d) $\frac{1}{3}$

(2) From opposite number line:

The distance between P and T = units



- a) 2 b) 3 c) 4 d) 5

(3) A triangle whose side lengths are 6 cm, 7 cm, 6 cm is called

- a) Equilateral b) Isosceles c) Scalene d) otherwise

[B] A car consumes $5\frac{1}{4}$ liters of gasoline per hour. How much does it consume in an hour and a third?

[Q3] [A] Choose the correct answer:

(1) $\frac{1}{6} \div 2 = \dots\dots\dots$

- a) 3 b) 12 c) $\frac{1}{3}$ d) $\frac{1}{12}$

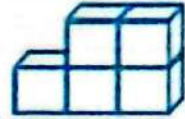
(2) The rhombus has axes of symmetry

- a) 1 b) 4 c) 3 d) 2

(3) The volume of the opposite figure

= cubic units

- a) 4 b) 5 c) 6 d) 7



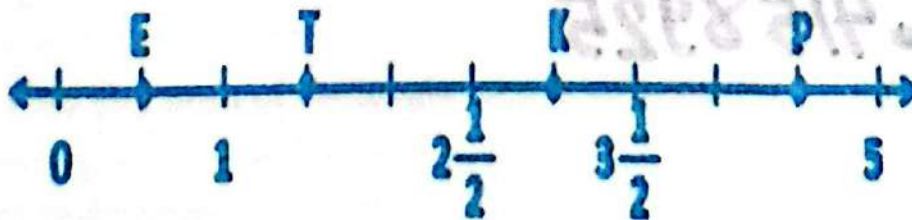
[B] A box made of wood, its dimensions are 20 cm, 15 cm, 10 cm. Find its volume?

[Q4]

[A] A window in shape of rectangle its length $1\frac{3}{5}$ m and width $\frac{1}{3}$ m, then find its area ?

[B] From opposite number line:

The distance between K and E = units



[Q5]

[A] The garden of a house is $9\frac{1}{2}$ m long and 6 m wide. Find the perimeter of the garden.

[B] If $Z - 2\frac{4}{9} = 4\frac{1}{3}$, find the value of Z ?

◆◆◆
End of the questions

م/أحمد حسود

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Prim 5 - Model No**(11)****[Q1] [A] Choose the correct answer:****(1) Each ordered pair represen' a On coordinate plane**

- a) Line b) Point c) Segment d) shape

(2) A cuboid has vertices

- a) 6 b) 8 c) 12 d) 4

(3) The smallest like denominator for two fractions $\frac{2}{5}$, $\frac{3}{7}$ is

- a) 10 b) 12 c) 14 d) 35

[B] If $1\frac{3}{11} + Y = 4\frac{6}{11}$, then find the value of Y ?

[Q2] [A] Choose the correct answer:**(1) The angle of measure less than 90° is angle**

- a) Acute b) Right c) Obtuse d) scalene

(2) The ordered pair represents the origin point is

- a) (0, 1) b) (1, 0) c) (0, 0) d) (1, 1)

(3) $4 \div \frac{1}{2} = \dots\dots\dots$

- a) 6 b) 2 c) 8 d) $4\frac{1}{2}$

[B] Find The area of rectangle whose dimensions $\frac{1}{3}$ cm, $\frac{1}{4}$ cm ?

[Q3] [A] Choose the correct answer:

(1) If $6 \times 3 \frac{1}{2} = 3 \times b$ then $b = \dots\dots\dots$

- a) 3 b) 6 c) 7 d) $\frac{1}{2}$

(2) In $\triangle ABC$, $m(\angle A) = 50^\circ$, $m(\angle B) = 60^\circ$ and $m(\angle C) = 70^\circ$, then the triangle isangled triangle

- a) acute b) right c) obtuse d) Otherwise

(3) The fraction which represents the shaded part is



- a) $\frac{3}{8}$ b) $\frac{3}{7}$ c) $\frac{4}{7}$ d) $\frac{7}{3}$

[B] Rihana spends $1 \frac{1}{10}$ hour studying science, and 20 minutes more studying a subject Mathematics for the subject of science. How long does Rihana take to study the two subjects together?

[Q4]

[A] Find : $\frac{4}{5} \times \frac{5}{32}$? (in simplest form)

- [B] The turtle can crawl about $\frac{1}{3}$ kilometer per hour. How many hours do you need To travel a distance of 5 kilometers?

[Q5]

- [A] Find the unknown dimension in the corresponding figure:
If you know that volume = 36 m^3



- [B] In the equation: $D + 4\frac{1}{9} = 15\frac{14}{18}$, Find the value of D ?

◆◆◆
End of the questions

Prim 5 - Model No**(12)**[Q1] [A] Choose the correct answer:

(1) The triangle whose measure of its greatest angle = 120 is called

- a) Right b) Acute c) obtuse d) Otherwise

(2) 150 minutes = hours and minutes

- a) 1 , 30 b) 1 , 50 c) 3 , 30 d) 2 , 50

(3) $\frac{1}{6} \div 3 = \dots\dots\dots$

- a) 2 b) $\frac{1}{18}$ c) 18 d) $\frac{1}{2}$

[B] If: $2\frac{1}{2} \times 5 = (2 \times 5) + (m \times 5)$, find the value of m ?

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[Q2] [A] Choose the correct answer:

(1) The quadrilateral which has no axes of symmetry is

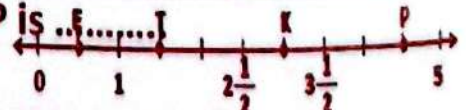
- a) Rhombus b) Square c) Rectangle d) Parallelogram

(2) $\frac{4}{10} + \frac{9}{20} = \dots\dots\dots$

- a) 1.7 b) $\frac{13}{30}$ c) $\frac{17}{20}$ d) $\frac{17}{30}$

(3) The distance between point E and point P is

- a) 2 b) 3 c) 4 d) 5



[B] Find The circular degrees that match

The fraction of the circle that is shaded=



[Q3] [A] Choose the correct answer:

(1) $5 \times \frac{3}{7}$ $4 \times \frac{3}{7}$

a) < b) > c) = d) otherwise

(2) $\frac{4}{7} \times$ = $\frac{3}{7}$

a) $\frac{4}{3}$ b) $\frac{3}{7}$ c) $\frac{7}{7}$ d) $\frac{3}{4}$

(3) The X- coordinate of (2 , 5) is

a) 2 b) 5 c) 10 d) 7

[B] A cuboid whose volume is 24 cm^3 , if it is decomposed into slides and the number of cubes in each slide is 4 cubes, then find the number of slides ?

[Q4]

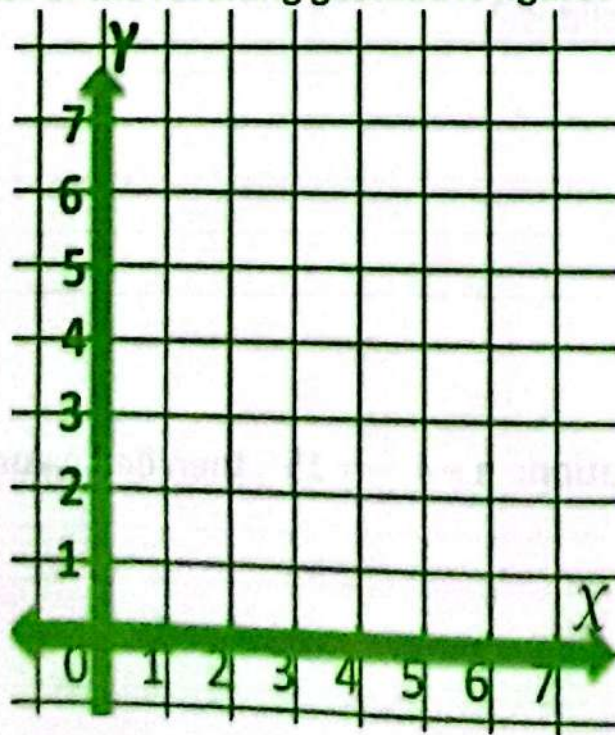
[A] In the equation: $h + 4 \frac{1}{9} = 15$, then find value of h ?

- [B] Omar owns a car park. The parking length is 5 km and width $1\frac{1}{2}$ km. What is the area of the parking?

[Q5]

- [A] Mona bought 10 notebooks, the price of one notebook is $2\frac{4}{5}$ pounds. What is the total amount that Mona paid?.....

- [B] Locate the following points on the coordinate plane and connect the points in order A (3, 2), B (8, 2), C (8, 6), D (3, 6) What is the perimeter of the resulting geometric figure?



♦ ♦ ♦
End of the questions

كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

